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MAP
AND
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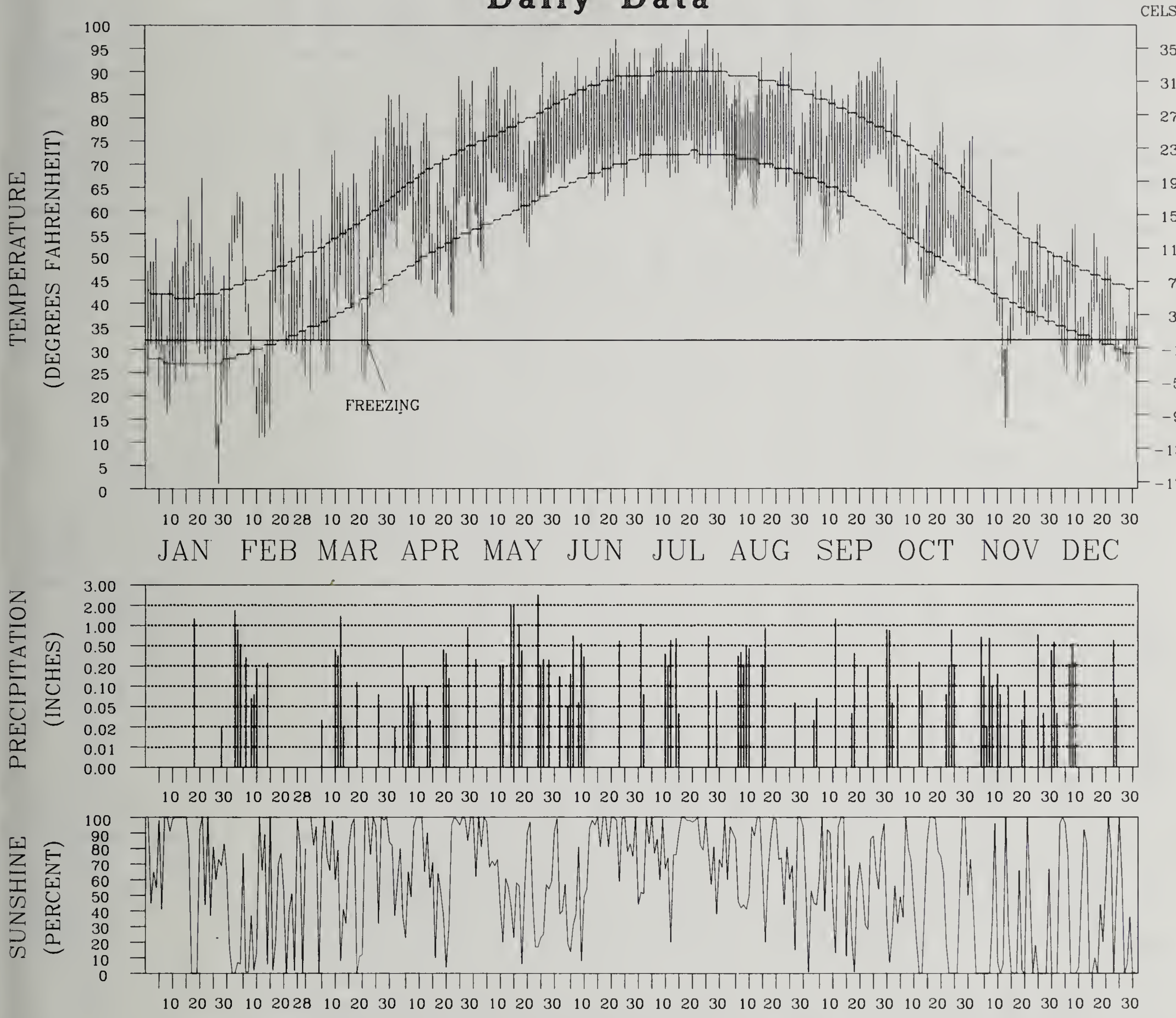
ISSN 0198-182X

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

1986 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

CAIRO,
ILLINOIS

Daily Data



TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

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METEOROLOGICAL DATA FOR 1986

CAIRO, ILLINOIS

LATITUDE: 37°00' N LONGITUDE: 89°10' W ELEVATION: FT. GRND 314 BARO 374 TIME ZONE: CENTRAL WBAN: 93809

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	46.1	47.6	61.7	73.3	81.4	88.7	92.2	84.3	84.3	69.5	50.8	42.9	68.6
-Daily Minimum	26.5	31.9	40.1	52.3	62.0	69.6	72.3	64.9	65.7	51.4	38.4	30.7	50.5
-Monthly	36.3	39.8	50.9	62.8	71.7	79.2	82.3	74.6	75.0	60.5	44.6	36.8	59.5
-Monthly Dewpt.													
Extremes													
-Highest	67	69	85	89	92	97	99	94	93	88	76	57	99
-Date	21	26	30	25	26	22	26	26	28	4	1	9	JUL 26
-Lowest	1	11	21	37	47	62	65	50	53	40	13	22	1
-Date	27	13	1	23	4	18	3	29	8	15	13	13	JAN 27
DEGREE DAYS BASE 65 °F:													
Heating	880	702	448	133	20	0	0	7	2	175	607	865	3839
Cooling	0	0	16	75	234	432	543	311	310	41	0	0	1962
% OF POSSIBLE SUNSHINE	70	39	70	70	58	70	79	72	58	50	20	38	60
AVG. SKY COVER (tenths)													
Sunrise - Sunset													
Midnight - Midnight													
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear													
-Partly Cloudy													
-Cloudy													
Precipitation .01 inches or more	2	8	7	11	11	8	9	8	7	9	13	7	100
Snow, Ice pellets 1.0 inches or more	0	2	0	0	0	0	0	0	0	0	0	0	2
Thunderstorms	0	0	0	0	0	0	0	0	0	0	0	0	0
Heavy Fog, visibility 1/4 mile or less	0	0	0	0	0	0	0	0	0	0	0	0	0
Temperature °F													
-Maximum													
90° and above	0	0	0	0	5	11	25	6	7	0	0	0	54
32° and below	2	6	0	0	0	0	0	0	0	0	1	3	12
-Minimum													
32° and below	25	16	10	0	0	0	0	0	0	0	4	23	78
0° and below	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG. STATION PRESS. (mb)													
RELATIVE HUMIDITY (%)													
Hour 00													
Hour 06 (Local Time)													
Hour 12													
Hour 18													
PRECIPITATION (inches):													
Water Equivalent													
-Total	1.37	4.12	2.53	2.83	9.55	2.69	3.93	3.16	2.96	2.80	3.37	2.32	41.63
-Greatest (24 hrs)	1.35	2.50	1.83	0.96	3.31	0.76	1.16	1.17	1.33	1.23	0.86	1.00	3.31
-Date	18	2- 3	11-12	28	14-15	6	1- 2	15-16	11	PM- 1	4- 5	PM- 1	MAY 14-15
Snow, Ice pellets													
-Total	0.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
-Greatest (24 hrs)	0.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
-Date	28	14											FEB 14
WIND:													
Resultant													
-Direction (!!)													
-Speed (mph)													
Average Speed (mph)													
Fastest Mile													
-Direction (!!)	SW	NE	SW	SW	SW	SW	NW	SW	SW	SW	NE	SW	SW
-Speed (mph)	37	33	54	38	63	34	36	30	47	31	28	22	63
-Date	21	10	10	14	24	10	26	15	11	3	12	2	MAY 24
Peak Gust													
-Direction (!!)													
-Speed (mph)													
-Date													

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

CAIRO, ILLINOIS

LATITUDE: 37°00'N LONGITUDE: 89°10'W ELEVATION: FT. GRND 314 BARO 374 TIME ZONE: CENTRAL WBAN: 93809

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		41.9	46.8	56.4	69.2	78.5	87.0	89.8	87.9	81.4	70.9	56.6	46.3	67.7
-Daily Minimum		27.3	31.0	39.5	51.0	60.0	68.2	72.1	70.0	63.1	51.2	40.2	32.1	50.5
-Monthly		34.6	38.9	48.0	60.1	69.3	77.6	81.0	79.0	72.3	61.0	48.4	39.2	59.1
Extremes														
-Record Highest	44	75	77	85	90	98	104	104	103	103	92	82	79	104
-Year		1950	1981	1986	1980	1953	1954	1980	1964	1954	1963	1955	1982	JUL 1980
-Record Lowest	44	-12	-5	6	28	38	51	54	50	40	27	5	-4	-12
-Year		1985	1951	1960	1982	1978	1956	1947	1986	1983	1981	1950	1983	JAN 1985
NORMAL DEGREE DAYS:														
Heating (base 65°F)		942	731	540	177	46	0	0	0	12	170	495	800	3913
Cooling (base 65°F)		0	0	13	30	179	378	496	431	231	49	0	0	1807
% OF POSSIBLE SUNSHINE	44	45	51	55	62	65	72	74	75	69	67	51	44	61
MEAN SKY COVER (tenths)														
Sunrise - Sunset	30	6.6	6.3	6.2	6.1	6.1	5.6	5.6	5.0	5.0	4.5	5.9	6.5	5.8
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	30	7.8	7.7	8.7	7.8	8.2	8.3	8.5	11.5	11.9	14.8	9.1	8.4	112.8
-Partly Cloudy	30	6.3	6.4	7.6	8.8	9.5	11.5	12.7	11.2	8.6	6.8	7.5	6.7	103.6
-Cloudy	30	17.0	14.2	14.6	13.4	13.3	10.2	9.8	8.3	9.5	9.4	13.4	15.9	148.9
Precipitation .01 inches or more	44	9.7	9.2	11.8	11.2	11.2	9.0	8.8	7.9	7.5	7.5	8.9	9.7	112.3
Snow,Ice pellets 1.0 inches or more	44	1.3	0.8	0.6	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	3.3
Thunderstorms	23	1.4	1.7	3.6	5.3	7.0	8.8	8.3	6.2	3.8	2.5	1.9	1.0	51.5
Heavy Fog Visibility 1/4 mile or less	23	1.1	0.9	0.3	0.3	0.3	0.*	0.1	0.3	0.5	0.9	1.3	0.9	6.9
Temperature °F														
-Maximum														
90° and above	44	0.0	0.0	0.0	0.*	2.3	11.1	17.4	12.9	4.1	0.1	0.0	0.0	48.0
32° and below	44	6.7	3.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	14.1
-Minimum														
32° and below	44	21.3	15.0	7.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	6.0	16.8	66.7
0° and below	44	0.3	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4
AVG. STATION PRESS.(mb)														
RELATIVE HUMIDITY (%)														
Hour 00														
Hour 06 (Local Time)	22	80	79	78	77	82	83	84	87	87	85	80	79	82
Hour 12	22	67	64	59	54	57	57	59	59	57	53	58	66	59
Hour 18														
PRECIPITATION (inches):														
Water Equivalent														
-Normal		3.47	3.42	4.96	4.44	4.90	4.36	3.96	3.97	3.50	2.54	3.97	4.16	47.65
-Maximum Monthly	44	14.95	8.88	12.67	9.45	11.15	10.24	9.20	11.62	9.39	7.89	13.05	11.31	14.95
-Year		1950	1950	1964	1966	1946	1951	1972	1978	1965	1984	1957	1978	JAN 1950
-Minimum Monthly	44	0.33	0.55	1.12	0.95	1.97	0.76	0.39	0.18	0.47	T	0.70	0.66	T
-Year		1943	1947	1966	1949	1948	1952	1983	1983	1953	1964	1954	1955	OCT 1964
-Maximum in 24 hrs	44	6.09	4.79	6.58	4.66	6.16	5.91	3.99	7.56	6.23	2.96	4.33	4.85	7.56
-Year		1949	1950	1964	1985	1967	1961	1984	1952	1965	1967	1957	1978	AUG 1952
Snow,Ice pellets														
-Maximum Monthly	44	21.8	8.9	20.3	1.0						T	5.2	10.5	21.8
-Year		1978	1960	1960	1971						1949	1958	1969	JAN 1978
-Maximum in 24 hrs	44	13.6	5.8	9.8	1.0						T	5.2	6.9	13.6
-Year		1978	1944	1970	1971						1949	1958	1969	JAN 1978
WIND:														
Mean Speed (mph)	22	9.8	9.8	10.6	10.2	8.2	7.4	6.5	6.2	7.0	7.3	9.1	9.3	8.5
Prevailing Direction through 1964		SW	NE	SW	SW	SW	SW	SW	NE	NE	S	S	S	SW
Fastest Mile														
-Direction (!!)	44	SW	SW	NW	SW	SW	SW	NW	S	SW	SW	SW	SW	SW
-Speed (MPH)	44	50	56	60	59	63	60	49	45	47	40	53	63	63
-Year		1976	1956	1964	1957	1986	1973	1980	1980	1986	1971	1968	1971	MAY 1986
Peak Gust														
-Direction (!!)														
-Speed (mph)														
-Date														

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

CAIRO, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
1977	1.77	1.32	8.80	6.32	2.36	4.08	4.32	5.04	4.86	1.87	3.22	3.01	46.97
1978	4.09	1.08	4.18	3.23	4.17	2.03	4.99	11.62	0.52	3.20	7.76	11.31	58.18
1979	3.40	4.84	6.17	8.89	6.08	0.84	2.92	4.78	2.92	1.69	5.43	3.33	51.29
1980	2.05	1.64	4.61	2.56	3.10	5.56	2.52	2.57	2.35	3.14	2.25	1.48	33.83
1981	0.83	4.11	2.35	3.27	7.56	3.69	7.40	3.42	1.63	2.28	2.23	2.07	40.84
1982	8.02	1.59	2.23	3.08	5.49	2.88	2.50	7.30	2.17	1.42	5.77	10.66	53.11
1983	1.71	1.27	2.71	9.18	7.94	2.66	0.39	0.18	0.75	5.75	8.09	4.85	45.48
1984	1.25	3.16	4.89	6.40	4.88	1.71	5.79	1.05	4.40	7.89	4.33	10.07	55.82
1985	1.65	3.27	4.83	7.29	4.29	6.72	0.97	6.57	4.37	7.75	5.31	1.35	54.37
1986	1.37	4.12	2.53	2.83	9.55	2.69	3.93	3.16	2.96	2.80	3.37	2.32	41.63
Record Mean	3.87	3.31	4.33	4.08	4.26	4.02	3.28	3.29	3.03	2.82	3.81	3.67	43.77

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

CAIRO, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
1977	22.4	39.2	55.0	64.6	74.9	79.4	83.3	78.9	74.5	58.6	50.9	37.5	59.9
1978	25.6	27.4	43.4	62.7	68.8	78.6	82.7	77.9	75.2	59.1	51.9	38.9	57.7
1979	24.6	30.4	48.3	57.7	67.0	78.2	80.4	79.1	72.0	62.5	48.4	41.4	57.5
1980	37.2	33.9	44.9	58.5	69.5	77.8	85.8	83.1	74.6	58.7	48.3	39.9	59.4
1981	33.9	40.9	49.4	66.6	65.1	79.1	81.6	78.2	69.8	57.6	50.5	37.3	59.2
1982	31.0	36.7	52.5	56.0	73.5	73.6	81.1	77.1	69.7	60.6	49.7	46.1	58.9
1983	36.0	42.0	49.0	53.8	67.7	77.8	84.3	85.1	73.3	61.6	50.4	28.7	59.2
1984	29.1	43.5	44.6	58.0	66.8	81.6	79.4	78.5	68.9	64.0	46.4	45.8	58.9
1985	25.8	34.7	54.1	64.7	70.4	76.5	80.8	75.4	69.5	61.9	50.6	33.5	58.2
1986	36.3	39.8	50.9	62.8	71.7	79.2	82.3	74.6	75.0	60.5	44.6	36.8	59.5
Record													
Mean	35.6	39.0	48.1	59.2	68.2	76.6	80.1	78.3	71.8	60.7	48.1	38.9	58.7
Max	43.1	46.8	56.5	67.9	77.0	85.4	88.7	86.9	80.8	70.2	56.4	46.1	67.1
Min	28.1	31.1	39.7	50.4	59.4	67.7	71.4	69.6	62.7	51.2	39.8	31.7	50.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F CAIRO, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898	1312	716	312	110	13	0	4399
1977-78	0	0	0	205	422	848	1215	1046	667	117	81	0	4601
1978-79	0	0	0	193	387	801	1247	965	515	225	61	0	4394
1979-80	0	0	4	134	495	727	856	898	616	217	28	0	3975
1980-81	0	0	14	240	495	774	956	667	489	57	82	0	3774
1981-82	0	0	29	241	432	852	1050	787	405	278	6	0	4080
1982-83	0	0	40	203	459	591	894	635	496	348	31	0	3697
1983-84	0	0	48	139	432	1117	1106	618	625	231	47	0	4363
1984-85	0	0	72	103	551	587	1209	843	348	113	19	3	3848
1985-86	0	0	62	151	427	970	880	702	448	133	20	0	3793
1986-87	0	7	2	175	607	865							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F CAIRO, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485
1977	0	0	8	105	326	438	575	441	290	14	5	0	2202
1978	0	0	3	55	204	415	557	407	315	20	3	0	1979
1979	0	0	0	14	131	402	484	444	221	66	2	0	1764
1980	0	0	0	29	174	393	652	569	309	53	3	0	2182
1981	0	0	11	111	90	430	520	414	177	19	4	0	1776
1982	0	0	27	16	276	265	505	381	186	72	7	14	1749
1983	0	0	6	19	122	391	606	628	304	38	1	0	2115
1984	0	0	0	31	109	504	453	423	193	80	0	0	1793
1985	0	1	15	112	194	356	494	329	204	61	5	0	1771
1986	0	0	16	75	234	432	543	311	310	41	0	0	1962

See Reference Notes on Page 6B.

SNOWFALL (inches)

CAIRO, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T	11.8	T	0.0	0.0	0.0	0.0	12.3
1977-78	0.0	0.0	0.0	0.0	T	0.2	21.8	4.4	4.4	0.0	0.0	0.0	30.8
1978-79	0.0	0.0	0.0	0.0	0.0	1.3	12.4	5.5	0.3	0.0	0.0	0.0	19.5
1979-80	0.0	0.0	0.0	0.0	T	0.0	2.7	5.9	0.9	0.0	0.0	0.0	9.5
1980-81	0.0	0.0	0.0	0.0	2.8	0.0	4.5	0.9	0.0	0.0	0.0	0.0	8.2
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.3	1.2	0.0	0.0	0.0	11.4
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.3	0.0	0.0	0.0	2.0
1983-84	0.0	0.0	0.0	0.0	0.0	1.0	2.4	4.8	0.3	0.0	0.0	0.0	8.5
1984-85	0.0	0.0	0.0	0.0	0.0	5.6	15.2	2.2	0.0	0.0	0.0	0.0	23.0
1985-86	0.0	0.0	0.0	0.0	0.0	1.0	0.2	5.8	0.0	0.0	0.0	0.0	7.0
1986-87	0.0	0.0	0.0	0.0	0.0	0.0							
Record Mean	0.0	0.0	0.0	0.0	0.4	1.4	3.8	2.5	2.1	T	0.0	0.0	10.3

See Reference Notes on Page 6B.

REFERENCE NOTES

CAIRO, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
* LESS THAN .05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

EXCEPTIONS

PAGE 3
1. THUNDERSTORMS AND HEAVY FOG MAY BE INCOMPLETE, DUE TO PART-TIME OPERATIONS.
2. THUNDERSTORMS, HEAVY FOG, RELATIVE HUMIDITY, AND MEAN WIND SPEED ARE THROUGH 1964.
3. MEAN SKY COVER, AND DAYS CLEAR-PARTLY CLOUDY-CLOUDY ARE THROUGH 1972.

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR, BEGINNING IN
1872 FOR TEMPERATURE
1872 FOR PRECIPITATION
1943 FOR SNOWFALL

CAIRO,
ILLINOIS

Cairo is located at the extreme southern tip of Illinois on a narrow peninsula between the Ohio and Mississippi Rivers, which join 2 miles below the city. Cairo has a temperate climate more characteristic of western Kentucky than of Illinois, and lies in the fringes of both the cotton and corn belts. Soybeans, peaches, and apples are also area crops.

Annual precipitation for Cairo is considerably higher than values elsewhere in Illinois with most of the excess occurring in winter and spring. July through October is the driest period and March through May the wettest. The most rain occurs in March, while the driest month is October.

The average winter has only occasional light snows and the ground remains mostly bare.

Thunderstorms can occur in any month, but the number of damaging wind and hail storms is small.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 11 and the average last occurrence in the spring is March 22.

The location of Cairo at the junction of two major rivers, dictates a rather long flood season. Sometimes one river is flooding while the other is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the confluence, determines the stage of the river which is relatively higher. In spite of the many floods that have occurred, the city of Cairo has never been inundated. It is protected by levees which have been strengthened after every serious flood threat. The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi. The Ohio River is usually ice–free because of warm waters from the Tennessee and Cumberland Rivers which enter above Cairo.

Because of a slight modifying influence by the two rivers, the absolute temperature range is smaller at Cairo than adjacent areas. Temperatures of 100 degrees or higher occur about once every three years and zero or lower about once in four years.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
701 Commercial Avenue	6/1/71	8/19/71	NA	37° 00'	89° 10'	314	50	27	NA	NA	NA	NA	50	NA	NA	
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62	NA	NA	NA	NA	58	NA	NA	
U. S. Custom House (third floor)	7/1/77	6/1/42	2200 ft WNW	37° 00'	89° 10'	314	93	87	87	NA	80	NA	79	NA	NA	Office moved from third floor to second floor 7/1/22. No change in instrument exposures.
U. S. Post Office and Court House	6/1/42	Present	300 ft NW	37° 00	89° 10'	a314	b99	5 c5	5 c5	83 e80	3 c3	NA d4	3 c3	NA	NA	a - Established 7/1/42. b - New type installed 11/9/57. c - Moved 124' S 10/24/63. d - Installed 4/1/74. e - Lowered 6/2/81.

* Type
M = AMOS
T = AUTOB

SUBSCRIPTION:
Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801

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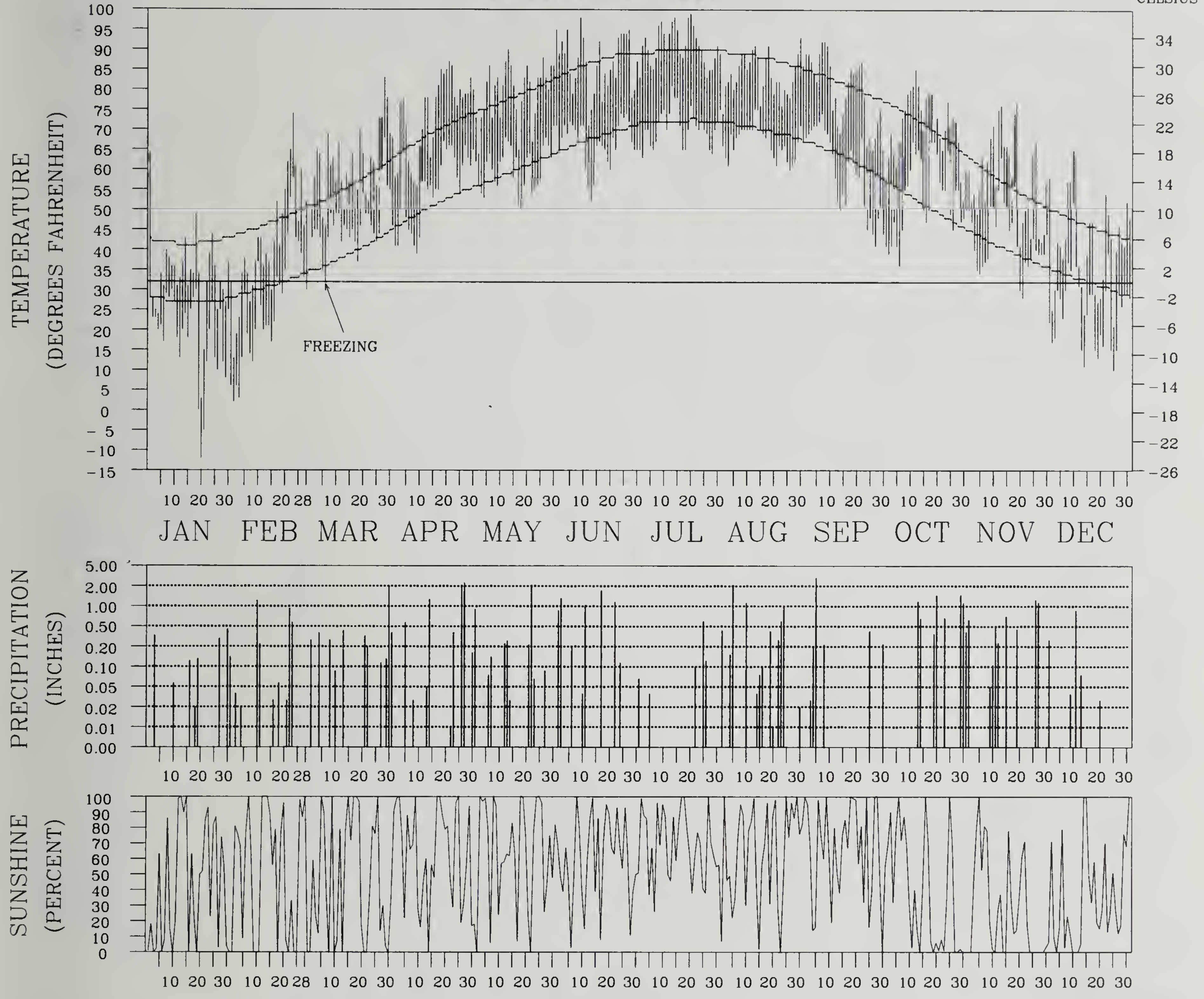
ISSN 0198-182X

1985 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

CAIRO,
ILLINOIS

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

Daily Data



TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

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Kenneth D. Hadeen
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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METEOROLOGICAL DATA FOR 1985

CAIRO, ILLINOIS

LATITUDE: 37°00′ N LONGITUDE: 89°10′ W ELEVATION: FT. GRND 314 BARO 374 TIME ZONE: CENTRAL WBAN: 93809

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	33.4	42.5	61.7	74.0	80.0	86.4	91.0	83.8	79.7	70.7	58.3	41.8	66.9
-Daily Minimum	18.2	26.9	46.4	55.3	60.7	66.6	70.5	66.9	59.2	53.1	42.9	25.2	49.3
-Monthly	25.8	34.7	54.1	64.7	70.4	76.5	80.8	75.4	69.5	61.9	50.6	33.5	58.2
-Monthly Dewpt.													
Extremes													
-Highest	64	74	83	87	95	98	99	93	92	85	77	65	99
-Date	1	23	28	21	31	9	20	30	8	12	19	10	JUL 20
-Lowest	-12	2	32	39	50	52	63	60	41	36	28	10	-12
-Date	20	1	6	9	18	13	2	26	27	6	21	25	JAN 20
DEGREE DAYS BASE 65 °F:													
Heating	1209	843	348	113	19	3	0	0	62	151	427	970	4145
Cooling	0	1	15	112	194	356	494	329	204	61	5	0	1771
% OF POSSIBLE SUNSHINE	42	54	47	63	63	60	69	63	66	39	28	35	54
AVG. SKY COVER (tenths)													
Sunrise - Sunset													
Midnight - Midnight													
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear													
-Partly Cloudy													
-Cloudy													
Precipitation .01 inches or more	8	9	11	9	10	8	5	13	6	8	9	5	101
Snow, Ice pellets 1.0 inches or more	4	1	0	0	0	0	0	0	0	0	0	0	5
Thunderstorms	0	0	0	0	0	0	0	0	0	0	0	0	0
Heavy Fog, visibility 1/4 mile or less	0	0	0	0	0	0	0	0	0	0	0	0	0
Temperature °F													
-Maximum													
90° and above	0	0	0	0	2	10	19	4	3	0	0	0	38
32° and below	14	6	0	0	0	0	0	0	0	0	0	8	28
-Minimum													
32° and below	31	18	1	0	0	0	0	0	0	0	2	26	78
0° and below	3	0	0	0	0	0	0	0	0	0	0	0	3
AVG. STATION PRESS. (mb)													
RELATIVE HUMIDITY (%)													
Hour 00													
Hour 06 (Local Time)													
Hour 12													
Hour 18													
PRECIPITATION (inches):													
Water Equivalent													
-Total	1.65	3.27	4.83	7.29	4.29	6.72	0.97	6.57	4.37	7.75	5.31	1.35	54.37
-Greatest (24 hrs)	0.59	1.49	2.46	4.66	2.39	2.30	0.76	2.32	3.44	2.21	2.08	0.90	4.66
-Date	30-31	22-23	30-31	26-27	21-22	1- 2	25-26	4- 5	4- 5	29-30	26-27	11	APR 26-27
Snow, Ice pellets													
-Total	15.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	18.4
-Greatest (24 hrs)	5.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	5.7
-Date	3	11										13	JAN 3
WIND:													
Resultant													
-Direction (!!)													
-Speed (mph)													
Average Speed (mph)													
Fastest Mile													
-Direction (!!)	SW	N	W	W	SW	NW	NW	NE	SW	SW	NW	SW	W
-Speed (mph)	35	29	45	43	35	30	21	25	29	26	33	30	45
-Date	1	11	28	4	30	1	25	19	8	8	19	26	MAR 28
Peak Gust													
-Direction (!!)													
-Speed (mph)													
-Date													

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

CAIRO, ILLINOIS

LATITUDE: 37°00'N LONGITUDE: 89°10' W ELEVATION: FT. GRND 314 BARO 374 TIME ZONE: CENTRAL WBAN: 93809

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		41.9	46.8	56.4	69.2	78.5	87.0	89.8	87.9	81.4	70.9	56.6	46.3	67.7
-Daily Minimum		27.3	31.0	39.5	51.0	60.0	68.2	72.1	70.0	63.1	51.2	40.2	32.1	50.5
-Monthly		34.6	38.9	48.0	60.1	69.3	77.6	81.0	79.0	72.3	61.0	48.4	39.2	59.1
Extremes														
-Record Highest	43	75	77	83	90	98	104	104	103	103	92	82	79	104
-Year		1950	1981	1985	1980	1953	1954	1980	1964	1954	1963	1955	1982	JUL 1980
-Record Lowest	43	-12	-5	6	28	38	51	54	53	40	27	5	-4	-12
-Year		1985	1951	1960	1982	1978	1956	1947	1965	1983	1981	1950	1983	JAN 1985
NORMAL DEGREE DAYS:														
Heating (base 65°F)		942	731	540	177	46	0	0	0	12	170	495	800	3913
Cooling (base 65°F)		0	0	13	30	179	378	496	431	231	49	0	0	1807
% OF POSSIBLE SUNSHINE	43	44	51	55	62	65	72	74	75	69	67	52	44	61
MEAN SKY COVER (tenths)														
Sunrise - Sunset	30	6.6	6.3	6.2	6.1	6.1	5.6	5.6	5.0	5.0	4.5	5.9	6.5	5.8
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	30	7.8	7.7	8.7	7.8	8.2	8.3	8.5	11.5	11.9	14.8	9.1	8.4	112.8
-Partly Cloudy	30	6.3	6.4	7.6	8.8	9.5	11.5	12.7	11.2	8.6	6.8	7.5	6.7	103.6
-Cloudy	30	17.0	14.2	14.6	13.4	13.3	10.2	9.8	8.3	9.5	9.4	13.4	15.9	148.9
Precipitation .01 inches or more	43	9.9	9.2	11.9	11.2	11.2	9.0	8.8	7.9	7.5	7.4	8.8	9.7	112.6
Snow,Ice pellets 1.0 inches or more	43	1.3	0.8	0.6	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	3.3
Thunderstorms	23	1.4	1.7	3.6	5.3	7.0	8.8	8.3	6.2	3.8	2.5	1.9	1.0	51.5
Heavy Fog Visibility 1/4 mile or less	23	1.1	0.9	0.3	0.3	0.3	0.*	0.1	0.3	0.5	0.9	1.3	0.9	6.9
Temperature °F														
-Maximum														
90° and above	43	0.0	0.0	0.0	0.*	2.3	11.1	17.2	13.1	4.0	0.1	0.0	0.0	47.8
32° and below	43	6.8	3.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.3	14.2
-Minimum														
32° and below	43	21.2	15.0	7.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	6.1	16.7	66.4
0° and below	43	0.3	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4
AVG. STATION PRESS.(mb)														
RELATIVE HUMIDITY (%)														
Hour 00														
Hour 06 (Local Time)	22	80	79	78	77	82	83	84	87	87	85	80	79	82
Hour 12	22	67	64	59	54	57	57	59	59	57	53	58	66	59
Hour 18														
PRECIPITATION (inches):														
Water Equivalent														
-Normal		3.47	3.42	4.96	4.44	4.90	4.36	3.96	3.97	3.50	2.54	3.97	4.16	47.65
-Maximum Monthly	43	14.95	8.88	12.67	9.45	11.15	10.24	9.20	11.62	9.39	7.89	13.05	11.31	14.95
-Year		1950	1950	1964	1966	1946	1951	1972	1978	1965	1984	1957	1978	JAN 1950
-Minimum Monthly	43	0.33	0.55	1.12	0.95	1.97	0.76	0.39	0.18	0.47	T	0.70	0.66	T
-Year		1943	1947	1966	1949	1948	1952	1983	1983	1953	1964	1954	1955	OCT 1964
-Maximum in 24 hrs	43	6.09	4.79	6.58	4.66	6.16	5.91	3.99	7.56	6.23	2.96	4.33	4.85	7.56
-Year		1949	1950	1964	1985	1967	1961	1984	1952	1965	1967	1957	1978	AUG 1952
Snow,Ice pellets														
-Maximum Monthly	43	21.8	8.9	20.3	1.0						T	5.2	10.5	21.8
-Year		1978	1960	1960	1971						1949	1958	1969	JAN 1978
-Maximum in 24 hrs	43	13.6	5.8	9.8	1.0						T	5.2	6.9	13.6
-Year		1978	1944	1970	1971						1949	1958	1969	JAN 1978
WIND:														
Mean Speed (mph)	22	9.8	9.8	10.6	10.2	8.2	7.4	6.5	6.2	7.0	7.3	9.1	9.3	8.5
Prevailing Direction through 1964		SW	NE	SW	SW	SW	SW	SW	NE	NE	S	S	S	SW
Fastest Mile														
-Direction (!!)	43	SW	SW	NW	SW	SW	SW	NW	S	NW	SW	SW	SW	SW
-Speed (MPH)	43	50	56	60	59	49	60	49	45	36	40	53	63	63
-Year		1976	1956	1964	1957	1978	1973	1980	1980	1970	1971	1968	1971	DEC 1971
Peak Gust														
-Direction (!!)														
-Speed (mph)														
-Date														

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches) CAIRO, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
1977	1.77	1.32	8.80	6.32	2.36	4.08	4.32	5.04	4.86	1.87	3.22	3.01	46.97
1978	4.09	1.08	4.18	3.23	4.17	2.03	4.99	11.62	0.52	3.20	7.76	11.31	58.18
1979	3.40	4.84	6.17	8.89	6.08	0.84	2.92	4.78	2.92	1.69	5.43	3.33	51.29
1980	2.05	1.64	4.61	2.56	3.10	5.56	2.52	2.57	2.35	3.14	2.25	1.48	33.83
1981	0.83	4.11	2.35	3.27	7.56	3.69	7.40	3.42	1.63	2.28	2.23	2.07	40.84
1982	8.02	1.59	2.23	3.08	5.49	2.88	2.50	7.30	2.17	1.42	5.77	10.66	53.11
1983	1.71	1.27	2.71	9.18	7.94	2.66	0.39	0.18	0.75	5.75	8.09	4.85	45.48
1984	1.25	3.16	4.89	6.40	4.88	1.71	5.79	1.05	4.40	7.89	4.33	10.07	55.82
1985	1.65	3.27	4.83	7.29	4.29	6.72	0.97	6.57	4.37	7.75	5.31	1.35	54.37
Record Mean	3.89	3.31	4.34	4.09	4.21	4.03	3.27	3.29	3.03	2.82	3.82	3.68	43.79

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F) CAIRO, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
1977	22.4	39.2	55.0	64.6	74.9	79.4	83.3	78.9	74.5	58.6	50.9	37.5	59.9
1978	25.6	27.4	43.4	62.7	68.8	78.6	82.7	77.9	75.2	59.1	51.9	38.9	57.7
1979	24.6	30.4	48.3	57.7	67.0	78.2	80.4	79.1	72.0	62.5	48.4	41.4	57.5
1980	37.2	33.9	44.9	58.5	69.5	77.8	85.8	83.1	74.6	58.7	48.3	39.9	59.4
1981	33.9	40.9	49.4	66.6	65.1	79.1	81.6	78.2	69.8	57.6	50.5	37.3	59.2
1982	31.0	36.7	52.5	56.0	73.5	73.6	81.1	77.1	69.7	60.6	49.7	46.1	58.9
1983	36.0	42.0	49.0	53.8	67.7	77.8	84.3	85.1	73.3	61.6	50.4	28.7	59.2
1984	29.1	43.5	44.6	58.0	66.8	81.6	79.4	78.5	68.9	64.0	46.4	45.8	58.9
1985	25.8	34.7	54.1	64.7	70.4	76.5	80.8	75.4	69.5	61.9	50.6	33.5	58.2
Record													
Mean	35.6	39.0	48.1	59.1	68.2	76.6	80.0	78.3	71.7	60.7	48.1	38.9	58.7
Max	43.1	46.8	56.5	67.8	77.0	85.4	88.6	87.0	80.7	70.2	56.4	46.1	67.1
Min	28.1	31.1	39.7	50.4	59.3	67.7	71.3	69.6	62.7	51.2	39.8	31.7	50.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F CAIRO, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898	1312	716	312	110	13	0	4399
1977-78	0	0	0	205	422	848	1215	1046	667	117	81	0	4601
1978-79	0	0	0	193	387	801	1247	965	515	225	61	0	4394
1979-80	0	0	4	134	495	727	856	898	616	217	28	0	3975
1980-81	0	0	14	240	495	774	956	667	489	57	82	0	3774
1981-82	0	0	29	241	432	852	1050	787	405	278	6	0	4080
1982-83	0	0	40	203	459	591	894	635	496	348	31	0	3697
1983-84	0	0	48	139	432	1117	1106	618	625	231	47	0	4363
1984-85	0	0	72	103	551	587	1209	843	348	113	19	3	3848
1985-86	0	0	62	151	427	970							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F CAIRO, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485
1977	0	0	8	105	326	438	575	441	290	14	5	0	2202
1978	0	0	3	55	204	415	557	407	315	20	3	0	1979
1979	0	0	0	14	131	402	484	444	221	66	2	0	1764
1980	0	0	0	29	174	393	652	569	309	53	3	0	2182
1981	0	0	11	111	90	430	520	414	177	19	4	0	1776
1982	0	0	27	16	276	265	505	381	186	72	7	14	1749
1983	0	0	6	19	122	391	606	628	304	38	1	0	2115
1984	0	0	0	31	109	504	453	423	193	80	0	0	1793
1985	0	1	15	112	194	356	494	329	204	61	5	0	1771

See Reference Notes on Page 6B.

SNOWFALL (inches) CAIRO, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T	11.8	T	0.0	0.0	0.0	0.0	12.3
1977-78	0.0	0.0	0.0	0.0	T	0.2	21.8	4.4	4.4	0.0	0.0	0.0	30.8
1978-79	0.0	0.0	0.0	0.0	0.0	1.3	12.4	5.5	0.3	0.0	0.0	0.0	19.5
1979-80	0.0	0.0	0.0	0.0	T	0.0	2.7	5.9	0.9	0.0	0.0	0.0	9.5
1980-81	0.0	0.0	0.0	0.0	2.8	0.0	4.5	0.9	0.0	0.0	0.0	0.0	8.2
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.3	1.2	0.0	0.0	0.0	11.4
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.3	0.0	0.0	0.0	2.0
1983-84	0.0	0.0	0.0	0.0	0.0	1.0	2.4	4.8	0.3	0.0	0.0	0.0	8.5
1984-85	0.0	0.0	0.0	0.0	0.0	5.6	15.2	2.2	0.0	0.0	0.0	0.0	23.0
1985-86	0.0	0.0	0.0	0.0	0.0	1.0							
Record Mean	0.0	0.0	0.0	0.0	0.4	1.5	3.9	2.4	2.2	T	0.0	0.0	10.4

See Reference Notes on Page 6B.

REFERENCE NOTES CAIRO, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION.
SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
* LESS THAN .05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGREES CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

EXCEPTIONS

PAGE 3
1. THUNDERSTORMS AND HEAVY FOG MAY BE INCOMPLETE, DUE TO PART-TIME OPERATIONS.
2. THUNDERSTORMS, HEAVY FOG, RELATIVE HUMIDITY, AND MEAN WIND SPEED ARE THROUGH 1964.
3. MEAN SKY COVER, AND DAYS CLEAR-PARTLY CLOUDY-CLOUDY ARE THROUGH 1972.

PAGES 4A, 4B, 6A
RECORD MEANS ARE THROUGH THE CURRENT YEAR,
BEGINNING IN 1872 FOR TEMPERATURE
1872 FOR PRECIPITATION
1943 FOR SNOWFALL

CAIRO, ILLINOIS

Cairo is located at the extreme southern tip of Illinois on a narrow peninsula between the Ohio and Mississippi Rivers, which join 2 miles below the city. Cairo has a temperate climate more characteristic of western Kentucky than of Illinois, and lies in the fringes of both the cotton and corn belts. Soybeans, peaches, and apples are also area crops.

Annual precipitation for Cairo is considerably higher than values elsewhere in Illinois with most of the excess occurring in winter and spring. July through October is the driest period and March through May the wettest. The most rain occurs in March, while the driest month is October.

The average winter has only occasional light snows and the ground remains mostly bare.

Thunderstorms can occur in any month, but the number of damaging wind and hail storms is small.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 11 and the average last occurrence in the spring is March 22.

The location of Cairo at the junction of two major rivers, dictates a rather long flood season. Sometimes one river is flooding while the other is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the confluence, determines the stage of the river which is relatively higher. In spite of the many floods that have occurred, the city of Cairo has never been inundated. It is protected by levees which have been strengthened after every serious flood threat. The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi. The Ohio River is usually ice–free because of warm waters from the Tennessee and Cumberland Rivers which enter above Cairo.

Because of a slight modifying influence by the two rivers, the absolute temperature range is smaller at Cairo than adjacent areas. Temperatures of 100 degrees or higher occur about once every three years and zero or lower about once in four years.

STATION LOCATION

* Type
M = AMOS
T = AUTOB

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
701 Commercial Avenue	6/1/71	8/19/71	NA	37° 00'	89° 10'	314	50	27	NA	NA	NA	NA	50	NA	NA	
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62	NA	NA	NA	NA	58	NA	NA	
U. S. Custom House (third floor)	7/1/77	6/1/42	2200 ft WNW	37° 00'	89° 10'	314	93	87	87	NA	80	NA	79	NA	NA	Office moved from third floor to second floor 7/1/22. No change in instrument exposures.
U. S. Post Office and Court House	6/1/42	Present	300 ft NW	37° 00	89° 10'	a314	b99	5 c5	5 c5	83 e80	3 c3	NA d4	3 c3	NA	NA	a - Established 7/1/42. b - New type installed 11/9/57. c - Moved 124' S 10/24/63. d - Installed 4/1/74. e - Lowered 6/2/81.

SUBSCRIPTION:
Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801

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1984 LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA

DEPARTMENT OF COMMERCE UNITED STATES OF AMERICA

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ILLINOIS

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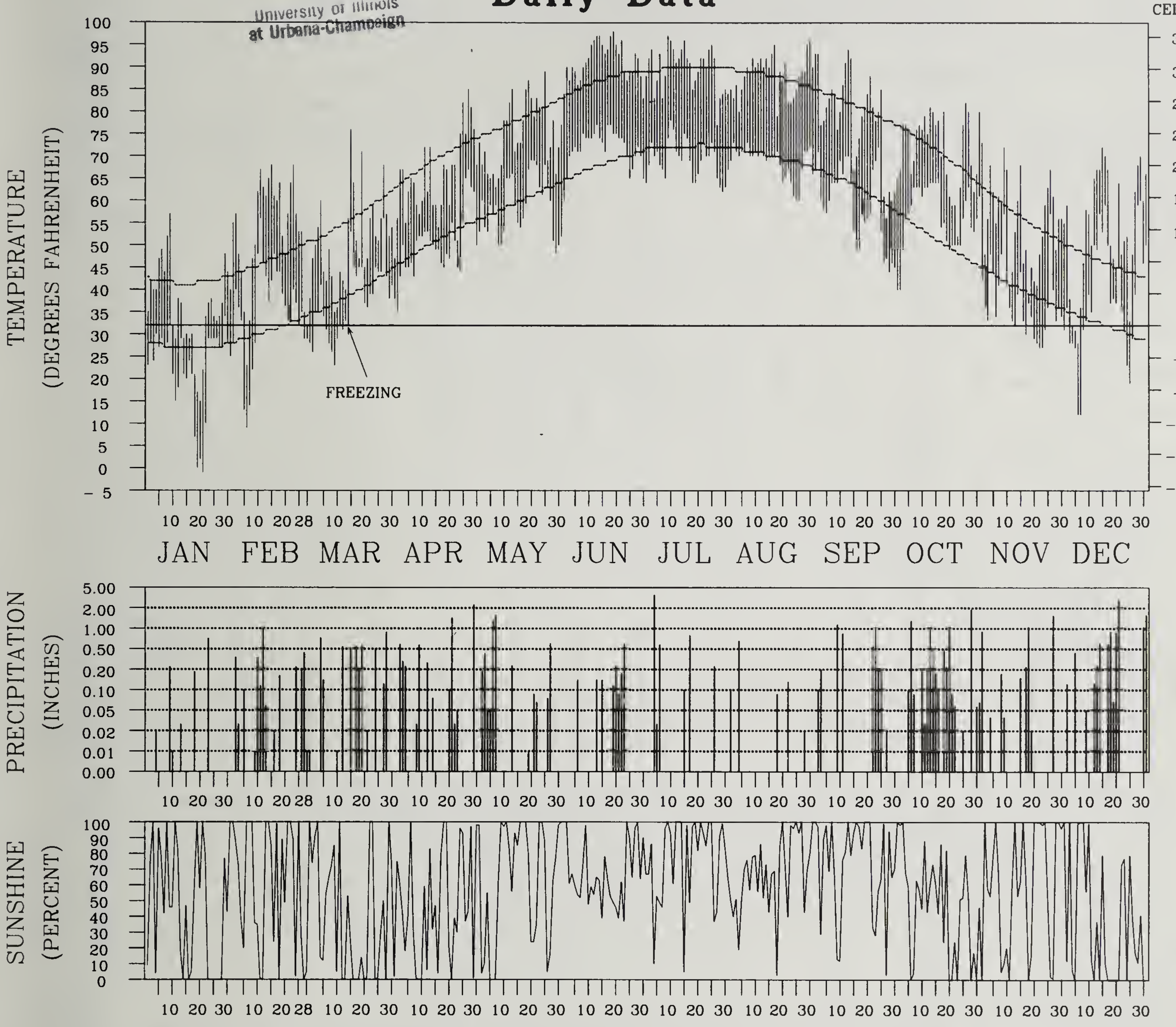

TEMPERATURE DEPICTS NORMAL MAXIMUM, NORMAL MINIMUM AND ACTUAL DAILY HIGH AND LOW VALUES (FAHRENHEIT)
PRECIPITATION IS MEASURED IN INCHES, SCALE IS NON-LINEAR
SUNSHINE IS PERCENT OF THE POSSIBLE SUNSHINE

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

Kenneth D Hadeen
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

noaa

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OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE NORTH CAROLINA

METEOROLOGICAL DATA FOR 1984

CAIRO, ILLINOIS

LATITUDE: 37°00' N LONGITUDE: 89°10' W ELEVATION: FT. (grd) 314 (msl) 357 TIME ZONE: CENTRAL WBAN: 93809

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:													
Averages													
-Daily Maximum	35.9	52.4	51.5	65.7	75.0	91.4	89.7	88.3	78.7	71.6	55.4	53.6	67.4
-Daily Minimum	22.3	34.6	37.6	50.3	58.6	71.7	69.1	68.6	59.0	56.3	37.3	38.0	50.3
-Monthly	29.1	43.5	44.6	58.0	66.8	81.6	79.4	78.5	68.9	64.0	46.4	45.8	58.9
-Monthly Dewpt.													
Extremes													
-Highest	57	68	76	85	89	98	97	96	94	82	73	72	98
-Date	9	23	15	27	25	19	9	30	13	26	1	15	JUN 19
-Lowest	-1	9	23	35	48	60	62	60	44	40	27	12	-1
-Date	21	6	9	1	29	1	29	26	28	2	23	7	JAN 21
DEGREE DAYS BASE 65 °F:													
Heating	1106	618	625	231	47	0	0	0	72	103	551	587	3940
Cooling	0	0	0	31	109	504	453	423	193	80	0	0	1793
% OF POSSIBLE SUNSHINE	47	61	39	48	63	68	76	68	74	48	60	37	58
AVG. SKY COVER (tenths)													
Sunrise - Sunset													
Midnight - Midnight													
NUMBER OF DAYS:													
Sunrise to Sunset													
-Clear													
-Partly Cloudy													
-Cloudy													
Precipitation .01 inches or more	6	15	12	12	12	8	6	5	9	19	9	13	126
Snow, Ice pellets 1.0 inches or more	1	1	0	0	0	0	0	0	0	0	0	1	3
Thunderstorms	0	0	0	0	0	0	0	0	0	0	0	0	0
Heavy Fog, visibility 1/4 mile or less	0	0	0	0	0	0	0	0	0	0	0	0	0
Temperature °F													
-Maximum													
90° and above	0	0	0	0	0	19	18	14	5	0	0	0	56
32° and below	10	2	0	0	0	0	0	0	0	0	0	3	15
-Minimum													
32° and below	30	10	9	0	0	0	0	0	0	0	7	11	67
0° and below	2	0	0	0	0	0	0	0	0	0	0	0	2
AVG. STATION PRESS. (mb)													
RELATIVE HUMIDITY (%)													
Hour 00 (Local Time)													
Hour 06 (Local Time)													
Hour 12 (Local Time)													
Hour 18 (Local Time)													
PRECIPITATION (inches):													
Water Equivalent													
-Total	1.25	3.16	4.89	6.40	4.88	1.71	5.79	1.05	4.40	7.89	4.33	10.07	55.82
-Greatest (24 hrs)	0.76	1.04	1.05	2.49	2.42	0.80	3.99	0.70	1.59	1.94	1.64	4.04	4.04
-Date	23	12-13	27-28	29	6- 7	22-23	4- 5	4	22-23	28	27	20-21	DEC 20-21
Snow, Ice pellets													
-Total	2.4	4.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	13.1
-Greatest (24 hrs)	2.3	3.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	5.6
-Date	18	27	12									5	DEC 5
WIND:													
Resultant													
-Direction (!!)													
-Speed (mph)													
Average Speed (mph)													
Fastest Mile													
-Direction (!!)	NE	N	NW	SW	SW	W	NW	SW	NE	W	SW	W	W
-Speed (mph)	33	33	33	42	42	37	32	24	29	31	38	42	42
-Date	10	27	28	29	11	7	4	28	15	27	9	31	DEC 31
PEAK GUST													
-direction (!!)													
-Speed (mph)													
-Date													

(!!) See Reference Notes on Page 6B

NORMALS, MEANS, AND EXTREMES

CAIRO, ILLINOIS

LATITUDE: 37°00'N LONGITUDE: 89°10' W ELEVATION: FT. (grd) 314 (msl) 357 TIME ZONE: CENTRAL WBAN: 93809

	(a)	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F:														
Normals														
-Daily Maximum		41.9	46.8	56.4	69.2	78.5	87.0	89.8	87.9	81.4	70.9	56.6	46.3	67.7
-Daily Minimum		27.3	31.0	39.5	51.0	60.0	68.2	72.1	70.0	63.1	51.2	40.2	32.1	50.5
-Monthly		34.6	38.9	48.0	60.1	69.3	77.6	81.0	79.0	72.3	61.0	48.4	39.2	59.1
Extremes														
-Record Highest	42	75	77	82	90	98	104	104	103	103	92	82	79	104
-Year		1950	1981	1982	1980	1953	1954	1980	1964	1954	1963	1955	1982	JUL 1980
-Record Lowest	42	-7	-5	6	28	38	51	54	53	40	27	5	-4	-7
-Year		1982	1951	1960	1982	1978	1956	1947	1965	1983	1981	1950	1983	JAN 1982
NORMAL DEGREE DAYS:														
Heating (base 65°F)		942	731	540	177	46	0	0	0	12	170	495	800	3913
Cooling (base 65°F)		0	0	13	30	179	378	496	431	231	49	0	0	1807
% OF POSSIBLE SUNSHINE	42	44	51	55	62	65	72	74	75	69	68	52	44	61
MEAN SKY COVER (tenths)														
Sunrise - Sunset	30	6.6	6.3	6.2	6.1	6.1	5.6	5.6	5.0	5.0	4.5	5.9	6.5	5.8
MEAN NUMBER OF DAYS:														
Sunrise to Sunset														
-Clear	30	7.8	7.7	8.7	7.8	8.2	8.3	8.5	11.5	11.9	14.8	9.1	8.4	112.8
-Partly Cloudy	30	6.3	6.4	7.6	8.8	9.5	11.5	12.7	11.2	8.6	6.8	7.5	6.7	103.6
-Cloudy	30	17.0	14.2	14.6	13.4	13.3	10.2	9.8	8.3	9.5	9.4	13.4	15.9	148.9
Precipitation .01 inches or more	42	9.9	9.2	12.0	11.3	11.2	9.0	8.9	7.8	7.5	7.4	8.8	9.9	112.9
Snow,Ice pellets 1.0 inches or more	42	1.2	0.8	0.6	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	3.3
Thunderstorms	23	1.4	1.7	3.6	5.3	7.0	8.8	8.3	6.2	3.8	2.5	1.9	1.0	51.5
Heavy Fog Visibility 1/4 mile or less	23	1.1	0.9	0.3	0.3	0.3	0.*	0.1	0.3	0.5	0.9	1.3	0.9	6.9
Temperature °F														
-Maximum														
90° and above	42	0.0	0.0	0.0	0.*	2.3	11.1	17.1	13.3	4.0	0.1	0.0	0.0	48.1
32° and below	42	6.6	3.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	3.2	13.9
-Minimum														
32° and below	42	21.0	14.9	7.2	0.2	0.0	0.0	0.0	0.0	0.0	0.1	6.2	16.5	66.1
0° and below	42	0.3	0.*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4
AVG. STATION PRESS.(mb)														
RELATIVE HUMIDITY (%)														
Hour 00 (Local Time)														
Hour 06 (Local Time)	22	80	79	78	77	82	83	84	87	87	85	80	79	82
Hour 12 (Local Time)	22	67	64	59	54	57	57	59	59	57	53	58	66	59
Hour 18 (Local Time)														
PRECIPITATION (inches):														
Water Equivalent														
-Normal		3.47	3.42	4.96	4.44	4.90	4.36	3.96	3.97	3.50	2.54	3.97	4.16	47.65
-Maximum Monthly	42	14.95	8.88	12.67	9.45	11.15	10.24	9.20	11.62	9.39	7.89	13.05	11.31	14.95
-Year		1950	1950	1964	1966	1946	1951	1972	1978	1965	1984	1957	1978	JAN 1950
-Minimum Monthly	42	0.33	0.55	1.12	0.95	1.97	0.76	0.39	0.18	0.47	T	0.70	0.66	T
-Year		1943	1947	1966	1949	1948	1952	1983	1983	1953	1964	1954	1955	OCT 1964
-Maximum in 24 hrs	42	6.09	4.79	6.58	3.79	6.16	5.91	3.99	7.56	6.23	2.96	4.33	4.85	7.56
-Year		1949	1950	1964	1944	1967	1961	1984	1952	1965	1967	1957	1978	AUG 1952
Snow,Ice pellets														
-Maximum Monthly	42	21.8	8.9	20.3	1.0						T	5.2	10.5	21.8
-Year		1978	1960	1960	1971						1949	1958	1969	JAN 1978
-Maximum in 24 hrs	42	13.6	5.8	9.8	1.0						T	5.2	6.9	13.6
-Year		1978	1944	1970	1971						1949	1958	1969	JAN 1978
WIND:														
Mean Speed (mph)	22	9.8	9.8	10.6	10.2	8.2	7.4	6.5	6.2	7.0	7.3	9.1	9.3	8.5
Prevailing Direction through 1964		SW	NE	SW	SW	SW	SW	SW	NE	NE	S	S	S	SW
Fastest Mile														
-Direction (!!)	42	SW	SW	NW	SW	SW	SW	NW	S	NW	SW	SW	SW	SW
-speed (MPH)	42	50	56	60	59	49	60	49	45	36	40	53	63	63
-year		1976	1956	1964	1957	1978	1973	1980	1980	1970	1971	1968	1971	DEC 1971

(!!) See Reference Notes on Page 6B.

PRECIPITATION (inches)

CAIRO, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
1977	1.77	1.32	8.80	6.32	2.36	4.08	4.32	5.04	4.86	1.87	3.22	3.01	46.97
1978	4.09	1.08	4.18	3.23	4.17	2.03	4.99	11.62	0.52	3.20	7.76	11.31	58.18
1979	3.40	4.84	6.17	8.89	6.08	0.84	2.92	4.78	2.92	1.69	5.43	3.33	51.29
1980	2.05	1.64	4.61	2.56	3.10	5.56	2.52	2.57	2.35	3.14	2.25	1.48	33.83
1981	0.83	4.11	2.35	3.27	7.56	3.69	7.40	3.42	1.63	2.28	2.23	2.07	40.84
1982	8.02	1.59	2.23	3.08	5.49	2.88	2.50	7.30	2.17	1.42	5.77	10.66	53.11
1983	1.71	1.27	2.71	9.18	7.94	2.66	0.39	0.18	0.75	5.75	8.09	4.85	45.48
1984	1.25	3.16	4.89	6.40	4.88	1.71	5.79	1.05	4.40	7.89	4.33	10.07	55.82
Record Mean	3.91	3.31	4.34	4.06	4.21	4.01	3.29	3.26	3.02	2.78	3.80	3.70	43.69

See Reference Notes on Page 6B.

AVERAGE TEMPERATURE (deg. F)

CAIRO, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	ANNUAL
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
1977	22.4	39.2	55.0	64.6	74.9	79.4	83.3	78.9	74.5	58.6	50.9	37.5	59.9
1978	25.6	27.4	43.4	62.7	68.8	78.6	82.7	77.9	75.2	59.1	51.9	38.9	57.7
1979	24.6	30.4	48.3	57.7	67.0	78.2	80.4	79.1	72.0	62.5	48.4	41.4	57.5
1980	37.2	33.9	44.9	58.5	69.5	77.8	85.8	83.1	74.6	58.7	48.3	39.9	59.4
1981	33.9	40.9	49.4	66.6	65.1	79.1	81.6	78.2	69.8	57.6	50.5	37.3	59.2
1982	31.0	36.7	52.5	56.0	73.5	73.6	81.1	77.1	69.7	60.6	49.7	46.1	58.9
1983	36.0	42.0	49.0	53.8	67.7	77.8	84.3	85.1	73.3	61.6	50.4	28.7	59.2
1984	29.1	43.5	44.6	58.0	66.8	81.6	79.4	78.5	68.9	64.0	46.4	45.8	58.9
Record													
Mean	35.7	39.0	48.0	59.1	68.2	76.5	80.0	78.3	71.7	60.7	48.1	39.0	58.7
Max	43.2	46.8	56.4	67.8	77.0	85.3	88.6	87.0	80.7	70.2	56.4	46.2	67.1
Min	28.2	31.1	39.6	50.4	59.3	67.7	71.4	69.6	62.7	51.2	39.8	31.8	50.2

See Reference Notes on Page 6B.

HEATING DEGREE DAYS Base 65 deg. F CAIRO, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898	1312	716	312	110	13	0	4399
1977-78	0	0	0	205	422	848	1215	1046	667	117	81	0	4601
1978-79	0	0	0	193	387	801	1247	965	515	225	61	0	4394
1979-80	0	0	4	134	495	727	856	898	616	217	28	0	3975
1980-81	0	0	14	240	495	774	956	667	489	57	82	0	3774
1981-82	0	0	29	241	432	852	1050	787	405	278	6	0	4080
1982-83	0	0	40	203	459	591	894	635	496	348	31	0	3697
1983-84	0	0	48	139	432	1117	1106	618	625	231	47	0	4363
1984-85	0	0	72	103	551	587							

See Reference Notes on Page 6B.

COOLING DEGREE DAYS Base 65 deg. F CAIRO, ILLINOIS

YEAR	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485
1977	0	0	8	105	326	438	575	441	290	14	5	0	2202
1978	0	0	3	55	204	415	557	407	315	20	3	0	1979
1979	0	0	0	14	131	402	484	444	221	66	2	0	1764
1980	0	0	0	29	174	393	652	569	309	53	3	0	2182
1981	0	0	11	111	90	430	520	414	177	19	4	0	1776
1982	0	0	27	16	276	265	505	381	186	72	7	14	1749
1983	0	0	6	19	122	391	606	628	304	38	1	0	2115
1984	0	0	0	31	109	504	453	423	193	80	0	0	1793

See Reference Notes on Page 6B.

SNOWFALL (inches)

CAIRO, ILLINOIS

SEASON	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T	11.8	T	0.0	0.0	0.0	0.0	12.3
1977-78	0.0	0.0	0.0	0.0	T	0.2	21.8	4.4	4.4	0.0	0.0	0.0	30.8
1978-79	0.0	0.0	0.0	0.0	0.0	1.3	12.4	5.5	0.3	0.0	0.0	0.0	19.5
1979-80	0.0	0.0	0.0	0.0	T	0.0	2.7	5.9	0.9	0.0	0.0	0.0	9.5
1980-81	0.0	0.0	0.0	0.0	2.8	0.0	4.5	0.9	0.0	0.0	0.0	0.0	8.2
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.3	1.2	0.0	0.0	0.0	11.4
1982-83	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.3	0.0	0.0	0.0	2.0
1983-84	0.0	0.0	0.0	0.0	0.0	1.0	2.4	4.8	0.3	0.0	0.0	0.0	8.5
1984-85	0.0	0.0	0.0	0.0	0.0	5.6							
Record Mean	0.0	0.0	0.0	0.0	0.4	1.5	3.6	2.4	2.2	0.0	0.0	0.0	10.2

See Reference Notes on Page 6B.

REFERENCE NOTES

CAIRO, ILLINOIS

GENERAL
T - TRACE AMOUNT.
BLANK ENTRIES DENOTE MISSING/UNREPORTED DATA.
# INDICATES A STATION OR INSTRUMENT RELOCATION. SEE STATION LOCATION TABLE ON PAGE 8.

SPECIFIC
PAGE 2
PM - INCLUDES LAST DAY OF PREVIOUS MONTH

PAGE 3
(a) - LENGTH OF RECORD IN YEARS, ALTHOUGH INDIVIDUAL MONTHS MAY BE MISSING.
* LESS THAN .05
NORMALS - BASED ON THE 1951-1980 RECORD PERIOD.
EXTREMES - DATES ARE THE MOST RECENT OCCURRENCE
WIND DIR.- NUMERALS SHOW TENS OF DEGRESS CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM.
RESULTANT DIRECTIONS ARE GIVEN TO WHOLE DEGREES.

PAGES 4A, 4B, 6A
RECORD MEANS ARE FOR ENTIRE PERIOD OF RECORD, REGARDLESS OF LOCATION

EXCEPTIONS

PAGE 3
1. THUNDERSTORMS AND HEAVY FOG (DATA MAY BE INCOMPLETE), RELATIVE HUMIDITY, AND MEAN WIND SPEED ARE THROUGH 1964.
2. MEAN SKY COVER, AND DAYS CLEAR-PARTLY CLOUDY-CLOUDY ARE THROUGH 1972.

CAIRO,
ILLINOIS

Cairo is located at the extreme southern tip of Illinois on a narrow peninsula between the Ohio and Mississippi Rivers, which join 2 miles below the city. Cairo has a temperate climate more characteristic of western Kentucky than of Illinois, and lies in the fringes of both the cotton and corn belts. Soybeans, peaches, and apples are also area crops.

Annual precipitation for Cairo is considerably higher than values elsewhere in Illinois with most of the excess occurring in winter and spring. July through October is the driest period and March through May the wettest. The most rain occurs in March, while the driest month is October.

The average winter has only occasional light snows and the ground remains mostly bare.

Thunderstorms can occur in any month, but the number of damaging wind and hail storms is small.

Based on the 1951–1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is November 11 and the average last occurrence in the spring is March 22.

Cairos position at the junction of two major rivers dictates a rather long flood season. Sometimes one river is flooding while the other is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the confluence, has the property of reflecting the stage of that river which is relatively higher. In spite of the many floods that have occurred, the city of Cairo has never been inundated. It is protected by levees which have been strengthened after every serious flood threat. The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi. The Ohio River is usually ice–free because of warm waters from the Tennessee and Cumberland Rivers which enter above Cairo.

Because of a slight modifying influence by the two rivers, the absolute temperature range is smaller at Cairo than adjacent areas. Temperatures of 100 deg. or higher occur about once every three years and zero or lower about once in four years.

STATION LOCATION

CAIRO, ILLINOIS

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
701 Commercial Avenue	6/1/71	8/19/71	NA	37° 00'	89° 10'	314	50	27	NA	NA	NA	NA	50	NA	NA	
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62	NA	NA	NA	NA	58	NA	NA	
U. S. Custom House (third floor)	7/1/77	6/1/42	2200 ft WNW	37° 00'	89° 10'	314	93	87	87	NA	80	NA	79	NA	NA	Office moved from third floor to second floor 7/1/22. No change in instrument exposures.
U. S. Post Office and Court House	6/1/42	Present	300 ft NW	37° 00	89° 10'	a314	b99	5 c5	5 c5	83 e80	3 c3	NA d4	3 c3	NA	NA	a - Established 7/1/42. b - New type installed 11/9/57. c - Moved 124' S 10/24/63. d - Installed 4/1/74. e - Lowered 6/2/81.

* Type
M = AMOS
T = AUTOB

SUBSCRIPTION:
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Map and Geography

Local Climatological Data

Annual Summary With Comparative Data

1982

CAIRO, ILLINOIS

DEPARTMENT OF COMMERCE
UNITED STATES OF AMERICA

Narrative Climatological Summary

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° of higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 47.12 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winter have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

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Meteorological Data For The Current Year

Station: CAIRO, ILLINOIS # 93809 POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00′ N Longitude: 89° 10′ W Elevation (ground) : 314 feet Year: 1982

Month	Temperature °F Averages Daily maximum	Temperature °F Averages Daily minimum	Temperature °F Averages Monthly	Temperature °F Extremes Highest	Date	Lowest	Date	Degree days Base 65 °F Heating	Degree days Base 65 °F Cooling	Precipitation in inches Water equivalent Total	Greatest in 24 hrs.	Date	Snow, Ice pellets Total	Greatest in 24 hrs.	Date	Relative humidity, pct. Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Wind Resultant Direction	Resultant Speed m.p.h.	Average speed m.p.h.	Fastest mile Speed m.p.h.	Fastest mile Direction	Fastest mile Date	Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days Sunrise to sunset Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Temperature °F Maximum (b) 90° and above	Maximum 32° and below	Minimum 32° and below	Minimum 0° and below	Average station pressure mb Elev. 357 feet m.s.l.
JAN	40.0	21.9	31.0	65	6	-7	17	1050	0	8.02	3.63	22	4.9	3.7	12								40	N	10	37					9	1			0	8	23	3	
FEB	44.1	29.2	36.7	75	23	10	6	787	0	1.59	0.71	8-9	5.3	3.1	3								31	N	9	41					9	2			0	5	15	0	
MAR	61.1	43.8	52.5	82	20	27	8	405	27	2.23	0.85	14	1.2	1.2	5-6								41	SW	16	51					13	0			0	0	6	0	
APR	65.2	46.8	56.0	85	15	28	6	278	16	3.08	1.27	2	0.0	0.0									48	SW	3	63					9	0			0	0	2	0	
MAY	83.4	63.6	73.5	90	21	51	8	6	276	5.49	2.68	6-7	0.0	0.0									38	NW	21	71					13	0			2	0	0	0	
JUN	82.5	64.6	73.6	92	7	58	2	0	265	2.88	1.23	15-16	0.0	0.0									37	NW	15	75					12	0			5	0	0	0	
JUL	89.9	72.2	81.1	97	21	64	1	0	505	2.50	0.74	26-27	0.0	0.0									34	NE	4	69					9	0			18	0	0	0	
AUG	85.7	68.4	77.1	99	5	62	29	0	381	7.30	2.79	24	0.0	0.0									30	NW	27	62					12	0			6	0	0	0	
SEP	78.9	60.4	69.7	91	1	45	22	40	186	2.17	0.89	14	0.0	0.0									27	NW	14	61					5	0			2	0	0	0	
OCT	70.0	51.1	60.6	86	5	33	22	203	72	1.42	0.45	8-9	0.0	0.0									30	SW	28	73					9	0			0	0	0	0	
NOV	57.6	41.8	49.7	79	1	24	13	459	7	5.77	1.67	27	0.0	0.0									34	S	12	43					11	0			0	0	11	0	
DEC	52.0	40.2	46.1	79	2	20	12	591	14	10.66	3.88	3	0.0	0.0									43	SE	3	34					13	0			0	1	9	0	
YEAR	67.5	50.3	58.9	99	AUG 5	-7	JAN 17	3819	1749	53.11	3.88	DEC 3	11.4	3.7	JAN 12								48	SW	APR 3	58					124	3			33	14	66	3	

Normals, Means, And Extremes

Month	Temperatures °F Normal Daily maximum	Normal Daily minimum	Normal Monthly	Extremes Record highest	Year	Record lowest	Year	Normal Degree days Base 65 °F Heating	Cooling	Precipitation in inches Water equivalent Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Ice pellets Maximum monthly	Year	Maximum in 24 hrs.	Year	Relative humidity pct. ¢ Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Wind Mean speed m.p.h. ¢	Prevailing direction	Fastest mile Speed m.p.h.	Fastest mile Direction	Fastest mile Year	Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset $	Mean number of days Sunrise to sunset $ Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms %	Heavy fog, visibility ¼ mile or less %	Temperatures °F Max. (b) 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below	Average station pressure mb. Elev. 357 feet m.s.l.
(a)				40		40					40		40		40		40		40			22	22		22	22	40	40		40	30	30	30	30	40	40	22	22	40	40	40	40	
J	43.7	28.8	36.3	75	1950	-7	1982	890	0	3.99	14.95	1950	0.33	1943	6.09	1949	21.8	1978	13.6	1978		80	67		9.8	SW	50	SW	1976	45	6.6	8	6	17	10	1	2	1	0	7	21	*	
F	47.6	31.7	39.7	77	1981	-5	1951	708	0	3.77	8.88	1950	0.55	1947	4.79	1950	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	51	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	56.6	39.0	47.8	82	1982	6	1960	549	13	4.74	12.67	1964	1.12	1966	6.58	1964	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	56	6.2	9	7	15	12	1	4	*	0	1	7	0	
A	69.5	51.0	60.3	90	1980	28	1982	176	30	4.37	9.45	1966	0.95	1949	3.79	1944	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	11	*	6	*	*	0	*	0	
M	78.7	59.9	69.3	98	1953	38	1978	38	179	5.18	11.15	1946	1.97	1948	6.16	1967	0.0		0.0			82	57		8.2	SW	49	SW	1978	66	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.0	68.3	77.7	104	1954	51	1956	0	378	4.39	10.24	1951	0.76	1952	5.91	1961	0.0		0.0			83	57		7.4	SW	60	SW	1973	72	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	89.8	71.6	80.7	104	1980	54	1947	0	496	3.24	9.20	1972	0.47	1974	3.18	1972	0.0		0.0			84	59		6.5	SW	49	NW	1980	74	5.6	9	12	10	9	0	8	*	17	0	0	0	
A	88.3	70.0	79.2	103	1964	53	1965	0	431	3.50	11.62	1978	0.66	1976	7.56	1952	0.0		0.0			87	59		6.2	NE	45	S	1980	75	5.0	12	11	8	8	0	6	*	13	0	0	0	
S	81.4	62.5	72.0	103	1954	42	1967	11	231	3.47	9.39	1965	0.47	1953	6.23	1965	0.0		0.0			87	57		7.0	NE	36	NW	1970	68	5.0	12	9	9	8	0	4	1	4	0	0	0	
O	71.5	51.8	61.7	92	1963	27	1981	157	49	2.68	7.05	1972	T	1964	2.96	1967	T	1949	T	1949		85	53		7.3	S	40	SW	1971	69	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.7	39.9	48.3	82	1955	5	1950	501	0	3.85	13.05	1957	0.70	1954	4.33	1957	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	52	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	46.1	32.0	39.1	79	1982	0	1962	803	0	3.94	11.31	1978	0.66	1955	4.85	1978	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	16	*	
YR	68.1	50.6	59.4	104	JUL 1980	-7	JAN 1982	3833	1807	47.12	14.95	JAN 1950	T	OCT 1964	7.56	AUG 1952	21.8	JAN 1978	13.6	JAN 1978		82	59		8.5	SW	63	SW	DEC 1971	63	5.8	114	104	147	113	3	53	7	47	14	66	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1964.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

% Through 1964. The station operated less than 24 hours daily. Data may be incomplete.

¢ Through 1964.

$ Through 1972.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
1977	22.4	39.2	55.0	64.6	74.9	79.4	83.3	78.9	74.5	58.6	50.9	37.5	59.9
1978	25.6	27.4	43.4	62.7	68.8	78.6	82.7	77.9	75.2	59.1	51.9	38.9	57.7
1979	24.6	30.4	48.3	57.7	67.0	78.2	80.4	79.1	72.0	62.5	48.4	41.4	57.5
1980	37.2	33.9	44.9	58.5	69.5	77.8	85.8	83.1	74.6	58.7	48.3	39.9	59.4
1981	33.9	40.9	49.4	66.6	65.1	79.1	81.6	78.2	69.8	57.6	50.5	37.3	59.2
1982	31.0	36.7	52.5	56.0	73.5	73.6	81.1	77.1	69.7	60.6	49.7	46.1	58.9
RECORD													
MEAN	35.8	38.9	48.1	59.1	68.2	76.5	80.0	78.3	71.7	60.7	48.1	39.0	58.7
MAX	43.3	46.7	56.5	67.8	77.0	85.3	88.6	86.9	80.7	70.2	56.4	46.2	67.1
MIN	28.2	31.0	39.6	50.4	59.3	67.7	71.3	69.6	62.7	51.1	39.8	31.8	50.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898	1312	716	312	110	13	0	4399
1977-78	0	0	0	205	422	848	1215	1046	667	117	81	0	4601
1978-79	0	0	0	193	387	801	1247	965	515	225	61	0	4394
1979-80	0	0	4	134	495	727	856	898	616	217	28	0	3975
1980-81	0	0	14	240	495	774	956	667	489	57	82	0	3774
1981-82	0	0	29	241	432	852	1050	787	405	278	6	0	4080
1982-83	0	0	40	203	459	591							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485
1977	0	0	8	105	326	438	575	441	290	14	5	0	2202
1978	0	0	3	55	204	415	557	407	315	20	3	0	1979
1979	0	0	0	14	131	402	484	444	221	66	2	0	1764
1980	0	0	0	29	174	393	652	569	309	53	3	0	2182
1981	0	0	11	111	90	430	520	414	177	19	4	0	1776
1982	0	0	27	16	276	265	505	381	186	72	7	14	1749

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.67	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
1977	1.77	1.32	8.80	6.32	2.36	4.08	4.32	5.04	4.86	1.87	3.22	3.01	46.97
1978	4.09	1.08	4.18	3.23	4.17	2.03	4.99	11.62	0.52	3.20	7.76	11.31	58.18
1979	3.40	4.84	6.17	8.89	6.08	0.84	2.92	4.78	2.92	1.69	5.43	3.33	51.29
1980	2.05	1.64	4.61	2.56	3.10	5.56	2.52	2.57	2.35	3.14	2.25	1.48	33.83
1981	0.83	4.11	2.35	3.27	7.56	3.69	7.40	3.42	1.63	2.28	2.23	2.07	40.84
1982	8.02	1.59	2.23	3.08	5.49	2.88	2.50	7.30	2.17	1.42	5.77	10.66	53.11
RECORD													
MEAN	3.96	3.33	4.35	4.00	4.17	4.04	3.30	3.31	3.03	2.70	3.76	3.63	43.58

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T	11.8	T	0.0	0.0	0.0	0.0	12.3
1977-78	0.0	0.0	0.0	0.0	T	0.2	21.8	4.4	4.4	0.0	0.0	0.0	30.8
1978-79	0.0	0.0	0.0	0.0	0.0	1.3	12.4	5.5	0.3	0.0	0.0	0.0	19.5
1979-80	0.0	0.0	0.0	0.0	T	0.0	2.7	5.9	0.9	0.0	0.0	0.0	9.5
1980-81	0.0	0.0	0.0	0.0	2.8	0.0	4.5	0.9	0.0	0.0	0.0	0.0	8.2
1981-82	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.3	1.2	0.0	0.0	0.0	11.4
1982-83	0.0	0.0	0.0	0.0	0.0	0.3							
RECORD													
MEAN	0.0	0.0	0.0	0.0	0.4	1.4	3.7	2.4	2.3	T	0.0	0.0	10.2

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1872 for temperature and precipitation, 1943 for snowfall.

STATION LOCATION

CAIRO, ILLINOIS

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above Sea level: Ground at temperature site	Elevation above Ground: Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Automatic Observing Equipment *	Remarks
701 Commercial Avenue	6/1/71	8/19/71	NA	37° 00'	89° 10'	314	50	27	NA	NA	NA	NA	50	NA	NA	
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62	NA	NA	NA	NA	58	NA	NA	
U. S. Custom House (third floor)	7/1/77	6/1/42	2200 ft WNW	37° 00'	89° 10'	314	93	87	87	NA	80	NA	79	NA	NA	Office moved from third floor to second floor 7/1/22. No change in instrument exposures.
U. S. Post Office and Court House	6/1/42	Present	300 ft NW	37° 00	89° 10'	a314	b99	5 c5	5 c5	83 e80	3 c3	NA d4	3 c3	NA	NA	a - Established 7/1/42. b - New type installed 11/9/57. c - Moved 124' S 10/24/63. d - Installed 4/1/74. e - Lowered 6/2/81.

* Type
M = AMOS
T = AUTOB

SUBSCRIPTION:
Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801, ATTN: Publications.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records received at the National Climatic Data Center, Asheville, North Carolina 28801.

L. Ray Hoxit
Acting Director
National Climatic Data Center

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Local Climatological Data

Annual Summary With Comparative Data

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Narrative Climatological Summary

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° of higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 47.12 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winter have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA AND INFORMATION SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

Meteorological Data For The Current Year

Station: CAIRO, ILLINOIS # 93809 POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00′ N Longitude: 89° 10′ W Elevation (ground) : 314 feet Year: 1981

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets			Hour	Hour 06	Hour 12	Hour	Resultant		Average speed m.p.h.	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	Temperature °F Maximum		Minimum		Elev. 357 feet m.s.l.
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	(Local time)				Direction	Speed m.p.h.		Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy					(b) 90° and above	32° and below	32° and below	0° and below	
JAN	41.7	26.1	33.9	64	25	13	12	956	0	0.83	0.42	29-30	4.5	3.7	29-30								35	SW	25	58					5	2			0	7	24	0	
FEB	50.1	31.7	40.9	77	27	5	11	667	0	4.11	1.45	9-10	0.9	0.9	10								36	SW	22	50					8	0			0	5	15	0	
MAR	58.4	40.3	49.4	82	31	30	9	489	11	2.35	1.14	29	0.0	0.0									38	SW	31	63					5	0			0	0	4	0	
APR	75.6	57.5	66.6	87	28	44	6	57	111	3.27	1.24	22-23	0.0	0.0									45	SW	4	57					7	0			0	0	0	0	
MAY	73.2	56.9	65.1	87	29	46	11	82	90	7.56	1.92	9-10	0.0	0.0									27	N	18	44					8	0			0	0	0	0	
JUN	87.4	70.8	79.1	97	24	59	17	0	430	3.69	1.72	5-6	0.0	0.0									32	SW	9	50					11	0			7	0	0	0	
JUL	89.3	73.8	81.6	98	14	60	30	0	520	7.40	2.29	4-5	0.0	0.0									35	N	20	59					11	0			16	0	0	0	
AUG	86.7	69.6	78.2	94	5	65	21	0	414	3.42	2.21	6	0.0	0.0									43	W	6	62					8	0			9	0	0	0	
SEP	80.1	59.4	69.8	88	30	46	19	29	177	1.63	1.30	14-15	0.0	0.0									27	SW	26	72					5	0			0	0	0	0	
OCT	66.1	49.1	57.6	89	5	27	24	241	19	2.28	1.06	25-26	0.0	0.0									24	N	6	45					6	0			0	0	2	0	
NOV	59.4	41.6	50.5	75	3	28	21	432	4	2.23	0.92	30	0.0	0.0									32	S	26	40					7	0			0	0	4	0	
DEC	44.7	29.8	37.3	67	7	10	18	852	0	2.07	1.03	21-22	0.0	0.0									34	NW	19	45					6	0			0	2	18	0	
YEAR	67.7	50.6	59.2	98	JUL 14	5	FEB 11	3805	1776	40.84	2.29	JUL 4-5	5.4	3.7	JAN 29-30								45	SW	APR 4	54					87	2			32	14	67	0	

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative humidity pct. ¢				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset $	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets				Hour	Hour 06	Hour 12	Hour	Mean speed m.p.h. ¢	Prevailing direction	Fastest mile					Sunrise to sunset $			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms %	Heavy fog, visibility ¼ mile or less %	Temperatures °F Max.		Min.		Elev. 357 feet m.s.l.
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	(Local time)						Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy					(b) 90° and above	32° and below	32° and below	0° and below	
(a)				39		39					39		39		39		39		39			22	22		22	22	39	39		39	30	30	30	30	39	39	22	22	39	39	39	39	
J	43.7	28.8	36.3	75	1950	-5	1963	890	0	3.99	14.95	1950	0.33	1943	6.09	1949	21.8	1978	13.6	1978		80	67		9.8	SW	50	SW	1976	45	6.6	8	6	17	10	1	2	1	0	7	21	*	
F	47.6	31.7	39.7	77	1981	-5	1951	708	0	3.77	8.88	1950	0.55	1947	4.79	1950	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	51	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	56.6	39.0	47.8	82	1981	6	1960	549	16	4.74	12.67	1964	1.12	1966	6.58	1964	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	56	6.2	9	7	15	12	1	4	*	0	1	7	0	
A	69.5	51.0	60.3	90	1980	28	1972	176	35	4.37	9.45	1965	0.95	1949	3.79	1944	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	11	*	6	*	*	0	*	0	
M	78.7	59.9	69.3	98	1953	38	1978	38	171	5.18	11.15	1946	1.97	1948	6.16	1967	0.0		0.0			82	57		8.2	SW	49	SW	1978	65	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.0	68.3	77.7	104	1954	51	1956	0	381	4.39	10.24	1951	0.76	1952	5.91	1961	0.0		0.0			83	57		7.4	SW	60	SW	1973	72	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	89.8	71.6	80.7	104	1980	54	1947	0	487	3.24	9.20	1972	0.47	1974	3.18	1972	0.0		0.0			84	59		6.5	SW	49	NW	1980	74	5.6	9	12	10	9	0	8	*	17	0	0	0	
A	88.3	70.0	79.2	103	1964	53	1965	0	440	3.50	11.62	1978	0.66	1976	7.56	1952	0.0		0.0			87	59		6.2	NE	45	S	1980	76	5.0	12	11	8	8	0	6	*	13	0	0	0	
S	81.4	62.5	72.0	103	1954	42	1967	11	221	3.47	9.39	1965	0.47	1953	6.23	1965	0.0		0.0			87	57		7.0	NE	36	NW	1970	69	5.0	12	9	9	8	0	4	1	4	0	0	0	
O	71.5	51.8	61.7	92	1963	27	1981	157	55	2.68	7.05	1972	T	1964	2.96	1967	T	1949	T	1949		85	53		7.3	S	40	SW	1971	68	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.7	39.9	48.3	82	1955	5	1950	501	0	3.85	13.05	1957	0.70	1954	4.33	1957	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	52	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	46.1	32.0	39.1	73	1951	0	1962	803	0	3.94	11.31	1978	0.66	1955	4.85	1978	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.1	50.6	59.4	104	JUL 1980	-5	JAN 1963	3833	1806	47.12	14.95	JAN 1950	T	OCT 1964	7.56	AUG 1952	21.8	JAN 1978	13.6	JAN 1978		82	59		8.5	SW	63	SW	DEC 1971	63	5.8	114	104	147	113	3	53	7	48	14	66	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1964.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

% Through 1964. The station operated less than 24 hours daily. Data may be incomplete.

¢ Through 1964.

$ Through 1972.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
1977	22.4	39.2	55.0	64.6	74.9	79.4	83.3	78.9	74.5	58.6	50.9	37.5	59.9
1978	25.6	27.4	43.4	62.7	68.8	78.6	82.7	77.9	75.2	59.1	51.9	38.9	57.7
1979	24.6	30.4	48.3	57.7	67.0	78.2	80.4	79.1	72.0	62.5	48.4	41.4	57.5
1980	37.2	33.9	44.9	58.5	69.5	77.8	85.8	83.1	74.6	58.7	48.3	39.9	59.4
1981	33.9	40.9	49.4	66.6	65.1	79.1	81.6	78.2	69.8	57.6	50.5	37.3	59.2
RECORD													
MEAN	35.8	38.9	48.0	59.2	68.1	76.5	79.9	78.3	71.8	60.7	48.1	39.0	58.7
MAX	43.3	46.7	56.4	67.9	76.9	85.3	88.5	86.9	80.7	70.2	56.4	46.2	67.1
MIN	28.2	31.1	39.6	50.4	59.3	67.7	71.3	69.6	62.8	51.1	39.8	31.7	50.2

Heating Degree Days

CAIRO, IL

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898	1312	716	312	110	13	0	4399
1977-78	0	0	0	205	422	848	1215	1046	667	117	81	0	4601
1978-79	0	0	0	193	387	801	1247	965	515	225	61	0	4394
1979-80	0	0	4	134	495	727	856	898	616	217	28	0	3975
1980-81	0	0	14	240	495	774	956	667	489	57	82	0	3774
1981-82	0	0	29	241	432	852							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485
1977	0	0	8	105	326	438	575	441	290	14	5	0	2202
1978	0	0	3	55	204	415	557	407	315	20	3	0	1979
1979	0	0	0	14	131	402	484	444	221	66	2	0	1764
1980	0	0	0	29	174	393	652	569	309	53	3	0	2182
1981	0	0	11	111	90	430	520	414	177	19	4	0	1776

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.26	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.96
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.49	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
1977	1.77	1.32	6.80	6.32	2.36	4.08	4.32	5.04	4.86	1.87	3.22	3.01	46.97
1978	4.09	1.08	4.18	3.23	4.17	2.03	4.99	11.62	0.52	3.20	7.76	11.31	58.18
1979	3.40	4.84	6.17	8.89	6.08	0.84	2.92	4.78	2.92	1.69	5.43	3.33	51.29
1980	2.05	1.64	4.61	2.56	3.10	5.56	2.52	2.57	2.35	3.14	2.25	1.48	33.83
1961	0.83	4.11	2.35	3.27	7.56	3.69	7.40	3.42	1.63	2.28	2.23	2.07	40.84
RECORD MEAN	3.92	3.34	4.37	4.01	4.16	4.05	3.30	3.28	3.04	2.71	3.74	3.57	43.49

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T	11.8	T	0.0	0.0	0.0	0.0	12.3
1977-78	0.0	0.0	0.0	0.0	T	0.2	21.8	4.4	4.4	0.0	0.0	0.0	30.8
1978-79	0.0	0.0	0.0	0.0	0.0	1.3	12.4	5.5	0.3	0.0	0.0	0.0	19.5
1979-80	0.0	0.0	0.0	0.0	T	0.0	2.7	5.9	0.9	0.0	0.0	0.0	9.5
1980-81	0.0	0.0	0.0	0.0	2.8	0.0	4.5	0.9	0.0	0.0	0.0	0.0	8.2
1981-82	0.0	0.0	0.0	0.0	0.0	0.0							
RECORD MEAN	0.0	0.0	0.0	0.0	0.5	1.4	3.7	2.3	2.3	T	0.0	0.0	10.2

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1872 for temperature and precipitation, 1943 for snowfall.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above											Automatic Observing Equipment *	Remarks * Type M = AMOS T = AUTOB
						Sea level	Ground											
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer				
701 Commercial Avenue	6/1/71	8/19/71	NA	37° 00'	89° 10'	314	50	27	NA	NA	NA	NA	50	NA			NA	
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62	NA	NA	NA	NA	58	NA			NA	
U. S. Custom House (third floor)	7/1/77	6/1/42	2200 ft WNW	37° 00'	89° 10'	314	93	87	87	NA	80	NA	79	NA			NA	Office moved from third floor to second floor 7/1/22. No change in instrument exposures.
U. S. Post Office and Court House	6/1/42	Present	300 ft NW	37° 00	89° 10'	a314	b99	5 c5	5 c5	83 e80	3 c3	NA d4	3 c3	NA			NA	a - Established 7/1/42. b - New type installed 11/9/57. c - Moved 124' S 10/24/63. d - Installed 4/1/74. e - Lowered 6/2/81.

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Daniel B. Mitchell
Director, National Climatic Center

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l Climatological Data

Summary With Comparative Data

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Narrative Climatological Summary

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° of higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 47.12 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winter have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA AND INFORMATION SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

Meteorological Data For The Current Year

Station: CAIRO, ILLINOIS # 93809 POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00′ N Longitude: 89° 10′ W Elevation (ground): 314 feet Year: 1980

Month	Temperature °F Averages Daily maximum	Temperature °F Averages Daily minimum	Temperature °F Averages Monthly	Temperature °F Extremes Highest	Date	Lowest	Date	Degree days Base 65 °F Heating	Degree days Base 65 °F Cooling	Precipitation in inches Water equivalent Total	Greatest in 24 hrs.	Date	Snow, Ice pellets Total	Greatest in 24 hrs.	Date	Relative humidity, pct. Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Wind Resultant Direction	Resultant Speed m.p.h.	Average speed m.p.h.	Fastest mile Speed m.p.h.	Fastest mile Direction	Fastest mile Date	Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days Sunrise to sunset Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Temperature °F Maximum (b) 90° and above	Maximum 32° and below	Minimum 32° and below	Minimum 0° and below	Average station pressure mb Elev. 357 feet m.s.l.
JAN	43.1	31.3	37.2	62	11	15	31	856	0	2.05	1.37	10-11	2.7	1.5	3								34	S	11	30					8	2			0	5	20	0	
FEB †	40.6	27.1	33.9	67	21	10	1	898	0	1.64	0.80	15	5.9	3.0	8								38	NW	25	†37					6	2			0	7	21	0	
MAR	52.6	37.2	44.9	71	10	14	2	616	0	4.61	1.75	16-17	0.9	0.9	1								37	NE	1	36					13	0			0	2	7	0	
APR	67.2	49.8	58.5	90	23	37	14	217	29	2.56	0.88	11-12	0.0	0.0									34	NE	13	56					11	0			1	0	0	0	
MAY	78.6	60.3	69.5	90	28	43	9	28	174	3.10	0.70	29-30	0.0	0.0									43	SW	13	51					10	0			1	0	0	0	
JUN	87.9	67.7	77.8	96	28	55	20	0	393	5.56	3.44	23-24	0.0	0.0									40	SW	7	66					5	0			13	0	0	0	
JUL	95.8	75.7	85.8	104	15	67	28	0	652	2.52	2.29	26-27	0.0	0.0									49	NW	2	85					5	0			25	0	0	0	
AUG	92.6	73.6	83.1	99	9	65	24	0	569	2.57	0.97	13	0.0	0.0									45	S	13	81					7	0			23	0	0	0	
SEP	83.8	65.3	74.6	99	9	53	27	14	309	2.35	1.20	22-23	0.0	0.0									32	NW	16	61					8	0			12	0	0	0	
OCT	69.2	48.2	58.7	88	10	32	30	240	53	3.14	1.92	17	0.0	0.0									32	SW	17	72					4	0			0	0	1	0	
NOV	56.7	39.8	48.3	78	8	28	19	495	3	2.25	1.09	17	2.8	2.8	27								38	SW	7	56					5	1			0	0	5	0	
OEC	47.8	31.9	39.9	70	6	10	25	774	0	1.48	1.35	8-9	0.0	0.0									28	N	24	41					4	0			0	3	16	0	
YEAR	68.0	50.7	59.4	104	JUL 15	10	OEC 25	4138	2182	33.83	3.44	JUN 23-24	12.3	3.0	FEB 8								49	NW	JUL 2	58					86	5			75	17	70	0	

† DATA CORRECTED AFTER PUBLICATION OF THE MONTHLY ISSUE.

Normals, Means, And Extremes

Month	Temperatures °F Normal Daily maximum	Normal Daily minimum	Normal Monthly	Extremes Record highest	Year	Record lowest	Year	Normal Degree days Base 65 °F Heating	Normal Degree days Cooling	Precipitation in inches Water equivalent Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Ice pellets Maximum monthly	Year	Maximum in 24 hrs.	Year	Relative humidity pct. ¢ Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Wind ¢ Mean speed m.p.h.	Prevailing direction	Fastest mile Speed m.p.h.	Fastest mile Direction	Fastest mile Year	Pct. of possible sunshine	$ Mean sky cover, tenths, sunrise to sunset	Mean number of days Sunrise to sunset $ Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	% Thunderstorms	% Heavy fog, visibility ¼ mile or less	Temperatures °F Max. (b) 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below	Average station pressure mb. Elev. 357 feet m.s.l.
(a)				38		38					38		38		38		38		38			22	22		22	22	38	38		38	30	30	30	30	38	38	22	22	38	38	38	38	
J	43.7	28.8	36.3	75	1950	-5	1963	890	0	3.99	14.95	1950	0.33	1943	6.09	1949	21.8	1978	13.6	1978		80	67		9.8	SW	50	SW	1976	44	6.6	8	6	17	10	1	2	1	0	7	21	*	
F	47.6	31.7	39.7	76	1962	-5	1951	708	0	3.77	8.88	1950	0.55	1947	4.79	1950	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	51	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	56.6	39.0	47.8	82	1963	6	1960	549	16	4.74	12.67	1964	1.12	1966	6.58	1964	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	56	6.2	9	7	15	12	1	4	*	0	1	7	0	
A	69.5	51.0	60.3	90	1980	28	1972	176	35	4.37	9.45	1966	0.95	1949	3.79	1944	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	11	*	6	*	*	0	*	0	
M	78.7	59.9	69.3	98	1953	38	1978	38	171	5.18	11.15	1946	1.97	1948	6.16	1967	0.0		0.0			82	57		8.2	SW	49	SW	1978	66	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.0	68.3	77.7	104	1954	51	1956	0	381	4.39	10.24	1951	0.76	1952	5.91	1961	0.0		0.0			83	57		7.4	SW	60	SW	1973	73	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	89.8	71.6	80.7	104	1980	54	1947	0	487	3.24	9.20	1972	0.47	1974	3.18	1972	0.0		0.0			84	59		6.5	SW	49	NW	1980	74	5.6	9	12	10	9	0	8	*	17	0	0	0	
A	88.3	70.0	79.2	103	1964	53	1965	0	440	3.50	11.62	1978	0.66	1976	7.56	1952	0.0		0.0			87	59		6.2	NE	45	5	1980	76	5.0	12	11	8	8	0	6	*	13	0	0	0	
5	81.4	62.5	72.0	103	1954	42	1967	11	221	3.47	9.39	1965	0.47	1953	6.23	1965	0.0		0.0			87	57		7.0	NE	36	NW	1970	69	5.0	12	9	9	8	0	4	1	4	0	0	0	
0	71.5	51.8	61.7	92	1963	29	1952	157	55	2.68	7.05	1972	T	1964	2.96	1967	T	1949	T	1949		85	53		7.3	S	40	SW	1971	69	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.7	39.9	48.3	82	1955	5	1950	501	0	3.85	13.05	1957	0.70	1954	4.33	1957	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	53	5.9	9	8	13	9	*	2	1	0	*	6	0	
0	46.1	32.0	39.1	73	1951	0	1962	803	0	3.94	11.31	1978	0.66	1955	4.85	1978	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.1	50.6	59.4	104	JUL 1980	-5	JAN 1963	3833	1806	47.12	14.95	JAN 1950	T	OCT 1964	7.56	AUG 1952	21.8	JAN 1978	13.6	JAN 1978		82	59		8.5	SW	63	SW	OEC 1971	63	5.8	114	104	147	113	3	53	7	48	14	66	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
OATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WINO OIRECTION - Record through 1964.
WINO DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WINO - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

% Through 1964. The station operated less than 24 hours daily. Data may be incomplete.

¢ Through 1964.

$ Through 1972.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.9	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	49.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	39.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
1977	22.4	39.2	55.0	64.6	74.9	79.4	83.3	78.9	74.5	58.6	50.9	37.5	59.9
1978	25.6	27.4	43.4	62.7	68.8	78.6	82.7	77.9	75.2	59.1	51.9	38.9	57.7
1979	24.6	30.4	48.3	57.7	67.0	78.2	80.4	79.1	72.0	62.5	48.4	41.4	57.5
1980	37.2	33.9	44.9	58.5	69.5	77.8	85.8	83.1	74.6	58.7	48.3	39.9	59.4
RECORD													
MEAN	35.8	38.9	48.0	59.1	68.2	76.5	79.9	78.3	71.8	60.8	48.1	39.0	58.7
MAX	43.3	46.7	56.4	67.8	77.0	85.3	88.5	86.9	80.7	70.3	56.4	46.2	67.1
MIN	28.3	31.1	39.6	50.4	59.3	67.7	71.3	69.6	62.8	51.2	39.8	31.8	50.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898	1312	716	312	110	13	0	4399
1977-78	0	0	0	205	422	848	1215	1046	667	117	81	0	4601
1978-79	0	0	0	193	387	801	1247	965	515	225	61	0	4394
1979-80	0	0	4	134	495	727	856	898	616	217	28	0	3975
1980-81	0	0	14	240	495	774							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485
1977	0	0	8	105	326	438	575	441	290	14	5	0	2202
1978	0	0	3	55	204	415	557	407	315	20	3	0	1979
1979	0	0	0	14	131	402	484	444	221	66	2	0	1764
1980	0	0	0	29	174	393	652	569	309	53	3	0	2182

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.29	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.60	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
1977	1.77	1.32	8.80	6.32	2.36	4.08	4.32	5.04	4.86	1.87	3.22	3.01	46.97
1978	4.09	1.08	4.18	3.23	4.17	2.03	4.99	11.62	0.52	3.20	7.76	11.31	58.18
1979	3.40	4.84	6.17	8.89	6.08	0.84	2.92	4.78	2.92	1.69	5.43	3.33	51.29
1980	2.05	1.64	4.61	2.56	3.10	5.56	2.52	2.57	2.35	3.14	2.25	1.48	33.83
RECORD													
MEAN	3.95	3.33	4.39	4.01	4.13	4.05	3.27	3.27	3.05	2.72	3.76	3.58	43.51

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T	11.8	T	0.0	0.0	0.0	0.0	12.3
1977-78	0.0	0.0	0.0	0.0	T	0.2	21.8	4.4	4.4	0.0	0.0	0.0	30.8
1978-79	0.0	0.0	0.0	0.0	0.0	1.3	12.4	5.5	0.3	0.0	0.0	0.0	19.5
1979-80	0.0	0.0	0.0	0.0	T	0.0	2.7	5.9	0.9	0.0	0.0	0.0	9.5
1980-81	0.0	0.0	0.0	0.0	2.8	0.0							
RECORD													
MEAN	0.0	0.0	0.0	0.0	0.5	1.5	3.7	2.4	2.4	T	0.0	0.0	10.5

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1872 for temperature and precipitation, 1943 for snowfall.

STATION LOCATION

* Type
M = AMOS
T = AUTOB

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
701 Commercial Avenue	6/01/71	8/19/71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62					58			
U. S. Custom House (third floor)	7/01/77	6/30/22	2200 ft WNW	37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7/01/22	5/31/42		37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Post Office and Court House	6/01/42	Present	300 ft NW	37° 00	89° 10'	314	99	5	5	%83	3	a4	3	NA	NA	New wind vane and F005 transmitter installed 11/9/57. Rotor 99 feet above ground 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof. a - Added 4/1/74. % - Commissioned 4/23/65.

Subscription Price: $3.30 per year for monthly data and annual summary. Foreign mailing $1.95 extra. Single copy: 25 cents for monthly and 30 cents for annual issue. There is a minimum charge of $3.00 for each order of shelf-stocked issues of publications. Make checks payable to Department of Commerce, NOAA. Send payments, orders, and inquiries to Publications, National Climatic Center, Federal Building, Asheville, N. C. 28801.

I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

David B. Mitchell
Director, National Climatic Center

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Local Climatological Data

Annual Summary With Comparative Data

1979

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Narrative Climatological Summary

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° of higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 47.12 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winter have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA AND INFORMATION SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

Meteorological Data For The Current Year

Station: CAIRO, ILLINOIS # 93809 POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00' N Longitude: 89° 10' W Elevation (ground) : 314 feet Year: 1979

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets							Resultant		Average speed m.p.h.	Fastest mile					Sunrise to sunset							Temperature °F				
																																			Maximum		Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Hour (Local time)	Hour	Hour	Hour	Direction	Speed m.p.h.		Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 357 feet m.s.l.
JAN	30.6	18.5	24.6	45	19	6	15	1247	0	3.40	1.29	31-1	12.4	2.7	6-7								26	NW	24	41					15	5			0	18	30	0	
FEB	37.9	22.8	30.4	62	23	3	9	965	0	4.84	1.91	22-23	5.5	2.0	25								43	NE	25	37					12	2			0	8	21	0	
MAR	55.6	40.9	48.3	73	18	24	11	515	0	6.17	2.00	30-31	0.3	0.3	24								41	SW	13	45					10	0			0	0	7	0	
APR	64.7	50.7	57.7	82	20	33	6	225	14	8.89	2.54	23	0.0	0.0									40	SW	11	59					13	0			0	0	0	0	
MAY	75.0	59.0	67.0	87	19	47	5	61	131	6.08	2.69	3-4	0.0	0.0									30	SW	26	55					11	0			0	0	0	0	
JUN	87.7	68.6	78.2	96	21	57	11	0	402	0.84	0.34	7	0.0	0.0									29	NW	10	71					5	0			11	0	0	0	
JUL	87.6	73.2	80.4	95	3	65	7	0	484	2.92	0.81	2	0.0	0.0									28	SW	28	46					12	0			12	0	0	0	
AUG	86.7	71.5	79.1	98	7	59	16	0	444	4.78	2.37	23	0.0	0.0									28	SW	30	61					9	0			10	0	0	0	
SEP	80.5	63.4	72.0	90	6	53	23	4	221	2.92	2.63	20-21	0.0	0.0									30	NE	21	70					3	0			2	0	0	0	
OCT	72.5	52.5	62.5	87	21	39	14	134	66	1.69	1.12	22	0.0	0.0									34	SW	8	54					5	0			0	0	0	0	
NOV	56.2	40.6	48.4	74	20	26	30	495	2	5.43	1.55	21-22	T	T	29								29	SW	27	49					8	0			0	1	5	0	
DEC	48.2	34.5	41.4	66	11	13	17	727	0	3.33	1.94	12	0.0	0.0									29	SE	23	46					8	0			0	1	14	0	
YEAR	65.3	49.7	57.5	98	AUG 7	3	FEB 9	4373	1764	51.29	2.69	MAY 3-4	18.2	2.7	JAN 6-7								43	NE	FEB 25	54					111	7			35	28	77	0	

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative humidity pct. ¢				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets										Fastest mile					Sunrise to sunset							Temperatures °F				
																																							Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	Hour (Local time)	Hour 06	Hour 12	Hour	Mean speed m.p.h.	Prevailing direction	Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	% Thunderstorms	% Heavy fog, visibility ¼ mile or less	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 357 feet m.s.l.
(a)				37		37					37		37		37		37		37			22	22		22	22	37	37		37	30	30	30	30	37	37	22	22	37	37	37	37	
J	43.7	28.8	36.3	75	1950	-5	1963	890	0	3.99	14.95	1950	0.33	1943	6.09	1949	21.8	1978	13.6	1978		80	67		9.8	SW	50	SW	1976	45	6.6	8	6	17	10	1	2	1	0	7	21	*	
F	47.6	31.7	39.7	76	1962	-5	1951	708	0	3.77	8.88	1950	0.55	1947	4.79	1950	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	51	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	56.6	39.0	47.8	82	1963	6	1960	549	16	4.74	12.67	1964	1.12	1966	6.58	1964	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	57	6.2	9	7	15	12	1	4	*	0	1	7	0	
A	69.5	51.0	60.3	89	1977	28	1972	176	35	4.37	9.45	1966	0.95	1949	3.79	1944	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	11	*	6	*	0	0	*	0	
M	78.7	59.9	69.3	98	1953	38	1978	38	171	5.18	11.15	1946	1.97	1948	6.16	1967	0.0		0.0			82	57		8.2	SW	49	SW	1978	66	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.0	68.3	77.7	104	1954	51	1956	0	381	4.39	10.24	1951	0.76	1952	5.91	1961	0.0		0.0			83	57		7.4	SW	60	SW	1973	73	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	89.8	71.6	80.7	104	1954	54	1947	0	487	3.24	9.20	1972	0.47	1974	3.18	1972	0.0		0.0			84	59		6.5	SW	45	SW	1952	74	5.6	9	12	10	9	0	8	*	17	0	0	0	
A	88.3	70.0	79.2	103	1964	53	1965	0	440	3.50	11.62	1978	0.66	1976	7.56	1952	0.0		0.0			87	59		6.2	NE	44	NW	1954	76	5.0	12	11	8	8	0	6	*	13	0	0	0	
S	81.4	62.5	72.0	103	1954	42	1967	11	221	3.47	9.39	1965	0.47	1953	6.23	1965	0.0		0.0			87	57		7.0	NE	36	NW	1970	69	5.0	12	9	9	8	0	4	1	4	0	0	0	
O	71.5	51.8	61.7	92	1963	29	1952	157	55	2.68	7.05	1972	T	1964	2.96	1967	T	1949	T	1949		85	53		7.3	S	40	SW	1971	69	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.7	39.9	48.3	82	1955	5	1950	501	0	3.85	13.05	1957	0.70	1954	4.33	1957	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	52	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	46.1	32.0	39.1	73	1951	0	1962	803	0	3.94	11.31	1978	0.66	1955	4.85	1978	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.1	50.6	59.4	104	JUL 1954	-5	JAN 1963	3833	1806	47.12	14.95	JAN 1950	T	OCT 1964	7.56	AUG 1952	21.8	JAN 1978	13.6	JAN 1978		82	59		8.5	SW	63	SW	DEC 1971	63	5.8	114	104	147	114	3	53	7	47	14	66	*	

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Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1964.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
1977	22.4	39.2	55.0	64.6	74.9	79.4	83.3	78.9	74.5	58.6	50.9	37.5	59.9
1978	25.6	27.4	43.4	62.7	68.8	78.6	82.7	77.9	75.2	59.1	51.9	38.9	57.7
1979	24.6	30.4	48.3	57.7	67.0	78.2	80.4	79.1	72.0	62.5	48.4	41.4	57.5
RECORD													
MEAN	35.8	39.0	48.0	59.1	68.2	76.5	79.9	78.3	71.8	60.8	48.1	39.0	58.7
MAX	43.3	46.8	56.4	67.8	77.0	85.3	88.5	86.9	80.7	70.3	56.4	46.2	67.1
MIN	28.2	31.1	39.6	50.4	59.3	67.7	71.3	69.6	62.8	51.2	39.8	31.8	50.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898	1312	716	312	110	13	0	4399
1977-78	0	0	0	205	422	848	1215	1046	667	117	81	0	4601
1978-79	0	0	0	193	387	801	1247	965	515	225	61	0	4394
1979-80	0	0	4	134	495	727							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	·485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485
1977	0	0	8	105	326	438	575	441	290	14	5	0	2202
1978	0	0	3	55	204	415	557	407	315	20	3	0	1979
1979	0	0	0	14	131	402	484	444	221	66	2	0	1764

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
1977	1.77	1.32	8.80	6.32	2.36	4.08	4.32	5.04	4.86	1.87	3.22	3.01	46.97
1978	4.09	1.08	4.18	3.23	4.17	2.03	4.99	11.62	0.52	3.20	7.76	11.31	58.18
1979	3.40	4.84	6.17	8.89	6.08	0.84	2.92	4.78	2.92	1.69	5.43	3.33	51.29
RECORD MEAN	3.96	3.35	4.38	4.03	4.14	4.04	3.27	3.28	3.06	2.71	3.77	3.60	43.59

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T	11.8	T	0.0	0.0	0.0	0.0	12.3
1977-78	0.0	0.0	0.0	0.0	T	0.2	21.8	4.4	4.4	0.0	0.0	0.0	30.8
1978-79	0.0	0.0	0.0	0.0	0.0	1.3	12.4	5.5	0.3	0.0	0.0	0.0	19.5
1979-80	0.0	0.0	0.0	0.0	T	0.0							
RECORD MEAN	0.0	0.0	0.0	0.0	0.4	1.5	3.7	2.3	2.4	T	0.0	0.0	10.3

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1872 for temperature and precipitation, 1943 for snowfall.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									Automatic Observing Equipment *	Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
701 Commercial Avenue	6/01/71	8/19/71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62					58			
U. S. Custom House (third floor)	7/01/77	6/30/22	2200 ft WNW	37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7/01/22	5/31/42		37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Post Office and Court House	6/01/42	Present	300 ft NW	37° 00	89° 10'	314	99	5	5	%83	3	a4	3	NA	NA	New wind vane and F005 transmitter installed 11/9/57. Rotor 99 feet above ground 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof. a - Added 4/1/74. % - Commissioned 4/23/65.

* Type
M = AMOS
T = AUTOB

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I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

Daniel B. Mitchell
Director, National Climatic Center

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Local Climatological Data

Annual Summary With Comparative Data

1978

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Narrative Climatological Summary

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° of higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 47.12 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winter have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA AND INFORMATION SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

Meteorological Data For The Current Year

Station: CAIRO, ILLINOIS # 93809 POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00′ N Longitude: 89° 10′ W Elevation (ground): 314 feet Year: 1978

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches					
	Averages			Extremes						Water equivalent			Snow, Ice pellets		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date
JAN	32.7	18.5	25.6	66	7	5	26	1215	0	4.09	1.40	16-17	21.8	13.6	16-17
FEB	33.5	21.3	27.4	45	24	11	9	1046	0	1.08	0.58	12-13	4.4	3.2	27-28
MAR	50.4	36.3	43.4	80	31	11	4	667	3	4.18	1.10	6-7	4.4	3.1	2
APR	71.0	54.3	62.7	85	9	42	21	117	55	3.23	1.05	10	0.0	0.0	
MAY†	†77.2	60.3	†68.8	93	26	38	2	† 81	204	4.17	1.77	11-12	0.0	0.0	
JUN	87.7	69.5	78.6	100	30	58	9	0	415	2.03	0.88	6-7	0.0	0.0	
JUL	91.6	73.7	82.7	100	1	68	12	0	557	4.99	2.59	30-31	0.0	0.0	
AUG	86.8	69.0	77.9	97	25	61	31	0	407	11.62	3.94	29-30	0.0	0.0	
SEP	84.0	66.4	75.2	93	20	53	24	0	315	0.52	0.32	13-14	0.0	0.0	
OCT	69.7	48.5	59.1	85	12	39	27	193	20	3.20	1.25	25-26	0.0	0.0	
NOV	59.8	44.0	51.9	77	13	34	28	387	3	7.76	3.77	25-26	0.0	0.0	
DEC	46.1	31.6	38.9	64	3	18	10	801	0	11.31	4.85	2-3	1.3	1.3	8
YEAR	65.9	49.5	57.7	100	JUL 1	5	JAN 26	4507	1979	58.18	4.85	DEC 2-3	31.9	13.6	JAN 16-17

Month	Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
					Resultant			Fastest mile					Sunrise to sunset							Temperature °F				
																				Maximum		Minimum		
	Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 357 feet m.s.l.
JAN								35	NW	25	50					9	4			0	21	28	0	
FEB								26	SW	13	26					9	2			0	12	28	0	
MAR								31	SW	20	42					12	2			0	2	11	0	
APR								42	SW	6	66					9	0			0	0	0	0	
MAY†								49	SW	28	52					10	0			6	0	0	0	
JUN								26	SW	17	82					5	0			10	0	0	0	
JUL								37	NE	26	78					9	0			22	0	0	0	
AUG								31	SW	28	61					10	0			10	0	0	0	
SEP								20	SW	18	89					4	0			6	0	0	0	
OCT								29	SW	15	81					8	0			0	0	0	0	
NOV								31	SW	17	51					11	0			0	0	0	0	
DEC								35	SW	3	52					10	1			0	2	16	0	
YEAR								49	SW	MAY 28	62					106	9			54	37	83	0	

† DATA CORRECTED AFTER PUBLICATION OF THE MONTHLY ISSUE.

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches						
	Normal			Extremes						Water equivalent						
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year
(a)				36		36					36		36		36	
J	43.7	28.8	36.3	75	1950	-5	1963	890	0	3.99	14.95	1950	0.33	1943	6.09	1949
F	47.6	31.7	39.7	76	1962	-5	1951	708	0	3.77	8.88	1950	0.55	1947	4.79	1950
M	56.6	39.0	47.8	82	1963	6	1960	549	16	4.74	12.67	1964	1.12	1966	6.58	1964
A	69.5	51.0	60.3	89	1977	28	1972	176	35	4.37	9.45	1966	0.95	1949	3.79	1944
M	78.7	59.9	69.3	98	1953	38	1978	38	171	5.18	11.15	1946	1.97	1948	6.16	1967
J	87.0	68.3	77.7	104	1954	51	1956	0	381	4.39	10.24	1951	0.76	1952	5.91	1961
J	89.8	71.6	80.7	104	1954	54	1947	0	487	3.24	9.20	1972	0.47	1974	3.18	1972
A	88.3	70.0	79.2	103	1964	53	1965	0	440	3.50	11.62	1978	0.66	1976	7.56	1952
S	81.4	62.5	72.0	103	1954	42	1967	11	221	3.47	9.39	1965	0.47	1953	6.23	1965
O	71.5	51.8	61.7	92	1963	29	1952	157	55	2.68	7.05	1972	T	1964	2.96	1967
N	56.7	39.9	48.3	82	1955	5	1950	501	0	3.85	13.05	1957	0.70	1954	4.33	1957
D	46.1	32.0	39.1	73	1951	0	1962	803	0	3.94	11.31	1978	0.66	1955	4.85	1978
YR	68.1	50.6	59.4	104	JUL 1954	-5	JAN 1963	3833	1806	47.12	14.95	JAN 1950	T	OCT 1964	7.56	AUG 1952

Month	Precipitation in inches				Relative humidity pct. ¢				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Snow, Ice pellets										Fastest mile					Sunrise to sunset					%	%	Temperatures °F				
																							Max.		Min.		
	Maximum monthly	Year	Maximum in 24 hrs.	Year	Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Mean speed m.p.h.	Prevailing direction	Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 357 feet m.s.l.
(a)	36		36			22	22		22	22	36	36		36	30	30	30	30	36	36	22	22	36	36	36	36	
J	21.8	1978	13.6	1978		80	67		9.8	SW	50	SW	1976	45	6.6	8	6	17	10	1	2	1	0	6	21	*	
F	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	52	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	57	6.2	9	7	15	12	1	4	*	0	1	7	0	
A	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	11	*	6	*	0	0	*	0	
M	0.0		0.0			82	57		8.2	SW	49	SW	1978	67	6.1	8	10	13	11	0	7	*	3	0	0	0	
J	0.0		0.0			83	57		7.4	SW	60	SW	1973	73	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	0.0		0.0			84	59		6.5	SW	45	SW	1952	75	5.6	9	12	10	9	0	8	*	17	0	0	0	
A	0.0		0.0			87	59		6.2	NE	44	NW	1954	76	5.0	12	11	8	8	0	6	*	13	0	0	0	
S	0.0		0.0			87	57		7.0	NE	36	NW	1970	69	5.0	12	9	9	8	0	4	1	4	0	0	0	
O	T	1949	T	1949		85	53		7.3	S	40	SW	1971	69	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	53	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	21.8	JAN 1978	13.6	JAN 1978		82	59		8.5	SW	63	SW	DEC 1971	64	5.8	114	104	147	114	3	53	7	48	13	66	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through **1964**.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	49.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
1977	22.4	39.2	55.0	64.6	74.9	79.4	83.3	78.9	74.5	58.6	50.9	37.5	59.9
1978	25.6	27.4	43.4	62.7	68.8	78.6	82.7	77.9	75.2	59.1	51.9	38.9	57.7
RECORD													
MEAN	35.9	39.1	48.0	59.1	68.2	76.5	79.9	78.2	71.8	60.7	48.1	38.9	58.7
MAX	43.4	46.9	56.4	67.8	77.0	85.2	88.5	86.9	80.7	70.2	56.4	46.1	67.1
MIN	28.3	31.2	39.6	50.4	59.3	67.7	71.3	69.5	62.8	51.2	39.8	31.7	50.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898	1312	716	312	110	13	0	4399
1977-78	0	0	0	205	422	848	1215	1046	667	117	81	0	4601
1978-79	0	0	0	193	387	801							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485
1977	0	0	8	105	326	438	575	441	290	14	5	0	2202
1978	0	0	3	55	204	415	557	407	315	20	3	0	1979

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.06	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
1977	1.77	1.32	8.80	6.32	2.36	4.08	4.32	5.04	4.86	1.87	3.22	3.01	46.97
1978	4.09	1.08	4.18	3.23	4.17	2.03	4.99	11.62	0.52	3.20	7.76	11.31	58.18
RECORD MEAN	3.97	3.34	4.37	3.98	4.12	4.07	3.28	3.27	3.06	2.72	3.76	3.61	43.55

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T	11.8	T	0.0	0.0	0.0	0.0	12.3
1977-78	0.0	0.0	0.0	0.0	T	0.2	21.8	4.4	4.4	0.0	0.0	0.0	30.8
1978-79	0.0	0.0	0.0	0.0	0.0	1.3							
RECORD MEAN	0.0	0.0	0.0	0.0	0.4	1.5	3.5	2.2	2.5	T	0.0	0.0	10.1

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1872 for temperature and precipitation, 1943 for snowfall.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer		
701 Commercial Avenue	6/01/71	8/19/71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62					58			
U. S. Custom House (third floor)	7/01/77	6/30/22	2200 ft WNW	37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7/01/22	5/31/42		37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Post Office and Court House	6/01/42	Present	300 ft NW	37° 00	89° 10'	314	99	5	5		3	a4	3			New wind vane and F005 transmitter installed 11/9/57. Rotor 99 feet above ground 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof. a - Added 4/1/74.

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Daniel B. Mitchell
Director, National Climatic Center

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Narrative Climatological Summary

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° of higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 47.12 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winter have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

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Meteorological Data For The Current Year

Station: CAIRO, ILLINOIS # 93809 POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00' N Longitude: 89° 10' W Elevation (ground): 314 feet Year: 1977

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets							Resultant			Fastest mile					Sunrise to sunset							Temperature °F				
																																			Maximum		Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Direction	Speed m.p.h.	Average speed m.p.h.	Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 357 feet m.s.l.
JAN	29.4	15.4	22.4	43	26	-1	17	1312	0	1.77	0.73	13-14	11.8	3.7	9-10								31	NW	28	49					12	4			0	18	31	1	
FEB	48.3	30.1	39.2	69	22	10	7	716	0	1.32	0.89	22-23	T	T	20								35	SW	22	61					5	0			0	3	16	0	
MAR	64.0	45.9	55.0	79	30	33	7	312	8	8.80	3.78	27-28	0.0	0.0									48	SW	28	73					11	0			0	0	0	0	
APR	74.2	55.0	64.6	89	16	39	5	110	105	6.32	2.71	22-23	0.0	0.0									36	SW	2	64					11	0			0	0	0	0	
MAY	84.5	65.2	74.9	94	30	48	10	13	326	2.36	0.77	25	0.0	0.0									34	NW	29	77					8	0			7	0	0	0	
JUN	88.8	69.9	79.4	100	11	58	7	0	438	4.08	1.49	30	0.0	0.0									39	SW	30	71					13	0			11	0	0	0	
JUL	91.4	75.2	83.3	100	7	64	27	0	575	4.32	1.54	30-1	0.0	0.0									32	NE	31	73					6	0			22	0	0	0	
AUG	86.4	71.4	78.9	96	8	62	20	0	441	5.04	2.34	16-17	0.0	0.0									43	N	16	77					10	0			10	0	0	0	
SEP	82.1	66.8	74.5	92	2	56	20	0	290	4.86	2.05	24	0.0	0.0									33	SW	13	60					9	0			3	0	0	0	
OCT	68.3	48.9	58.6	86	1	37	13	205	14	1.87	0.81	7-8	0.0	0.0									26	SW	1	61					9	0			0	0	0	0	
NOV	57.1	44.6	50.9	72	8	15	26	422	5	3.22	0.88	20	T	T	27								35	SW	9	32					9	0			0	1	4	0	
DEC	44.4	30.5	37.5	62	17	10	10	848	0	3.01	1.23	13-14	0.2	0.2	5								36	NW	5	43					8	0			0	6	16	0	
YEAR	68.2	51.6	59.9	100	JUL 7	-1	JAN 17	3938	2202	46.97	3.78	MAR 27-28	12.0	3.7	JAN 9-10								48	SW	MAR 28	64					111	4			53	28	67	1	

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative ¢ humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets										Fastest mile					Sunrise to sunset					%	%	Temperatures °F				
																																							Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Mean speed m.p.h.	Prevailing direction	Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	(b) 90° and above	32° and below	32° and below	0° and below	Elev. 357 feet m.s.l.
(a)				35		35					35		35		35		35		35			22	22		22	22	35	35		35	30	30	30	30	35	35	22	22	35	35	35	35	
J	43.7	28.8	36.3	75	1950	-5	1963	890	0	3.99	14.95	1950	0.33	1943	6.09	1949	11.8	1977	10.5	1969		80	67		9.8	SW	50	SW	1976	45	6.6	8	6	17	10	1	2	1	0	6	20	*	
F	47.6	31.7	39.7	76	1962	-5	1951	708	0	3.77	8.88	1950	0.55	1947	4.79	1950	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	52	6.3	8	6	14	9	1	2	1	0	3	14	*	
M	56.6	39.0	47.8	82	1963	6	1960	549	16	4.74	12.67	1964	1.12	1966	6.58	1964	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	57	6.2	9	7	15	12	1	4	*	0	1	7	0	
A	69.5	51.0	60.3	89	1977	28	1972	176	35	4.37	9.45	1966	0.95	1949	3.79	1944	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	11	*	6	*	0	0	*	0	
M	78.7	59.9	69.3	98	1953	39	1966	38	171	5.18	11.15	1946	1.97	1948	6.16	1967	0.0		0.0			82	57		8.2	SW	49	SW	1961	67	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.0	68.3	77.7	104	1954	51	1956	0	381	4.39	10.24	1951	0.76	1952	5.91	1961	0.0		0.0			83	57		7.4	SW	60	SW	1973	73	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	89.8	71.6	80.7	104	1954	54	1947	0	487	3.24	9.20	1972	0.47	1974	3.18	1972	0.0		0.0			84	59		6.5	SW	45	SW	1952	75	5.6	9	12	10	9	0	8	*	17	0	0	0	
A	88.3	70.0	79.2	103	1964	53	1965	0	440	3.50	8.13	1952	0.66	1976	7.56	1952	0.0		0.0			87	59		6.2	NE	44	NW	1954	77	5.0	12	11	8	8	0	6	*	13	0	0	0	
S	81.4	62.5	72.0	103	1954	42	1967	11	221	3.47	9.39	1965	0.47	1953	6.23	1965	0.0		0.0			87	57		7.0	NE	36	NW	1970	68	5.0	12	9	9	8	0	4	1	4	0	0	0	
O	71.5	51.8	61.7	92	1963	29	1952	157	55	2.68	7.05	1972	T	1964	2.96	1967	T	1949	T	1949		85	53		7.3	S	40	SW	1971	69	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.7	39.9	48.3	82	1955	5	1950	501	0	3.85	13.05	1957	0.70	1954	4.33	1957	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	53	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	46.1	32.0	39.1	73	1951	0	1962	803	0	3.94	7.99	1951	0.66	1955	2.75	1972	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.1	50.6	59.4	104	JUL 1954	-5	JAN 1963	3833	1806	47.12	14.95	JAN 1950	T	OCT 1964	7.56	AUG 1952	20.3	MAR 1960	10.5	JAN 1969		82	59		8.5	SW	63	SW	DEC 1971	64	5.8	114	104	147	115	3	53	7	47	13	65	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1964.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
1977	22.4	39.2	55.0	64.6	74.9	79.4	83.3	78.9	74.5	58.6	50.9	37.5	59.9
RECORD MEAN	36.0	39.2	48.1	59.1	68.2	76.4	79.8	78.2	71.7	60.7	48.0	38.9	58.7
MAX	43.5	47.0	56.5	67.8	77.0	85.2	88.4	86.9	80.7	70.2	56.3	46.1	67.1
MIN	28.4	31.3	39.6	50.3	59.3	67.6	71.2	69.5	62.7	51.2	39.7	31.7	50.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898	1312	716	312	110	13	0	4399
1977-78	0	0	0	205	422	848							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485
1977	0	0	8	105	326	438	575	441	290	14	5	0	2202

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
1977	1.77	1.32	8.80	6.32	2.36	4.08	4.32	5.04	4.86	1.87	3.22	3.01	46.97
RECORD MEAN	3.97	3.36	4.37	3.99	4.12	4.09	3.26	3.19	3.08	2.72	3.72	3.53	43.40

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T	11.8	T	0.0	0.0	0.0	0.0	12.3
1977-78	0.0	0.0	0.0	0.0	T	0.2							
RECORD MEAN	0.0	0.0	0.0	0.0	0.4	1.5	3.0	2.1	2.4	T	0.0	0.0	9.4

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1872 for temperature and precipitation, 1943 for snowfall.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6/01/71	8/19/71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62					58			
U. S. Custom House (third floor)	7/01/77	6/30/22	2200 ft WNW	37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7/01/22	5/31/42		37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Post Office and Court House	6/01/42	Present	300 ft NW	37° 00	89° 10'	314	99	5	5		3	a4	3			New wind vane and F005 transmitter installed 11/9/57. Rotor 99 feet above ground 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof. a - Added 4/1/74.

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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Daniel B. Mitchell
Director, National Climatic Center

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Annual Summary With Comparative Data

1976

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Narrative Climatological Summary

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° of higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 47.12 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winter have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

Meteorological Data For The Current Year

Station: CAIRO, ILLINOIS # 93809 POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00′ N Longitude: 89° 10′ W Elevation (ground): 314 feet Year: 1976

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets							Resultant		Average speed m.p.h.	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Temperature °F				Elev. 357 feet m.s.l.
																																			Maximum		Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Direction	Speed m.p.h.		Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy					(b) 90° and above	32° and below	32° and below	0° and below	
JAN	42.6	26.9	34.8	65	13	5	8	930	0	2.34	1.21	24-25	2.2	1.9	19-20								50	SW	13	56					10	1			0	5	22	0	
FEB	57.3	40.8	49.1	74	27	17	7	457	0	3.54	2.46	17	2.8	2.8	2								46	SW	21	55					6	1			0	2	10	0	
MAR	63.1	46.2	54.7	78	3	31	17	328	13	3.26	0.74	28-29	0.0	0.0									41	SW	20	60					15	0			0	C	1	0	
APR	70.8	50.8	60.8	87	23	39	26	184	66	1.25	0.66	24	0.0	0.0									29	SW	20	75					7	0			0	0	0	0	
MAY	73.8	55.0	64.4	89	21	40	3	84	74	4.70	1.41	30-31	0.0	0.0									30	SW	2	63					12	0			0	0	0	0	
JUN	83.0	66.3	74.7	94	27	58	22	0	296	8.95	5.82	15-16	0.0	0.0									27	SW	15	68					11	0			9	0	0	0	
JUL	88.8	70.9	79.9	100	24	65	18	0	471	5.31	2.54	2-3	0.0	0.0									34	N	27	77					10	0			15	0	0	0	
AUG	85.9	66.7	76.3	94	28	59	9	0	360	0.66	0.66	14-15	0.0	0.0									23	NW	14	82					2	0			5	0	0	0	
SEP	80.6	60.6	70.6	88	8	48	22	5	178	1.21	0.70	27	0.0	0.0									24	SW	26	71					4	0			0	0	0	0	
OCT	65.3	46.1	55.7	83	4	33	28	309	27	2.73	1.07	23-24	0.0	0.0									24	SW	30	59					9	0			0	0	0	0	
NOV	49.7	31.5	40.6	65	18	13	29	724	0	1.13	1.07	25-26	0.5	0.4	11								34	SW	25	65					4	0			0	2	18	0	
DEC	45.0	26.5	35.8	67	19	1	31	898	0	0.69	0.35	10	T	T	29								30	SW	27	66					2	0			0	3	23	0	
YEAR	67.2	49.0	58.1	100	JUL 24	1	DEC 31	3919	1485	35.77	5.82	JUN 15-16	5.5	2.8	FEB 2								50	SW	JAN 13	67					92	2			29	12	74	0	

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative ¢ humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets								Mean speed m.p.h.	Prevailing direction	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	% Thunderstorms	% Heavy fog, visibility ¼ mile or less	Temperatures °F				Elev. 357 feet m.s.l.
																																							Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour			Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy					(b) 90° and above	32° and below	32° and below	0° and below	
(a)				34		34					34		34		34		34		34			22	22		22	22	34	34		34	30	30	30	30	34	34	22	22	34	34	34	34	
J	43.7	28.8	36.3	75	1950	-5	1963	890	0	3.99	14.95	1950	0.33	1943	6.09	1949	11.3	1951	10.5	1969		80	67		9.8	SW	50	SW	1976	45	6.6	8	6	17	10	1	2	1	0	6	20	*	
F	47.6	31.7	39.7	76	1962	-5	1951	708	0	3.77	8.88	1950	0.55	1947	4.79	1950	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	52	6.3	8	6	14	9	1	2	1	0	3	14	*	
M	56.6	39.0	47.8	82	1963	6	1960	549	16	4.74	12.67	1964	1.12	1966	6.58	1964	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	57	6.2	9	7	15	12	1	4	*	0	1	7	0	
A	69.5	51.0	60.3	89	1965	28	1972	176	35	4.37	9.45	1966	0.95	1949	3.79	1944	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	11	*	6	*	0	0	*	0	
M	78.7	59.9	69.3	98	1953	39	1966	38	171	5.18	11.15	1946	1.97	1948	6.16	1967	0.0		0.0			82	57		8.2	SW	49	SW	1961	67	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.0	68.3	77.7	104	1954	51	1956	0	381	4.39	10.24	1951	0.76	1952	5.91	1961	0.0		0.0			83	57		7.4	SW	60	SW	1973	73	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	89.8	71.6	80.7	104	1954	54	1947	0	487	3.24	9.20	1972	0.47	1974	3.18	1972	0.0		0.0			84	59		6.5	SW	45	SW	1952	75	5.6	9	12	10	9	0	8	*	17	0	0	0	
A	88.3	70.0	79.2	103	1964	53	1965	0	440	3.50	8.13	1952	0.66	1976	7.56	1952	0.0		0.0			87	59		6.2	NE	44	NW	1954	77	5.0	12	11	8	8	0	6	*	13	0	0	0	
S	81.4	62.5	72.0	103	1954	42	1967	11	221	3.47	9.39	1965	0.47	1953	6.23	1965	0.0		0.0			87	57		7.0	NE	36	NW	1970	68	5.0	12	9	9	8	0	4	1	4	0	0	0	
O	71.5	51.8	61.7	92	1963	29	1952	157	55	2.68	7.05	1972	T	1964	2.96	1967	T	1949	T	1949		85	53		7.3	S	40	SW	1971	69	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.7	39.9	48.3	82	1955	5	1950	501	0	3.85	13.05	1957	0.70	1954	4.33	1957	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	53	5.9	9	8	13	9	*	2	1	0	*	7	0	
D	46.1	32.0	39.1	73	1951	0	1962	803	0	3.94	7.99	1951	0.66	1955	2.75	1972	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.1	50.6	59.4	104	JUL 1954	-5	JAN 1963	3833	1806	47.12	14.95	JAN 1950	T	OCT 1964	7.56	AUG 1952	20.3	MAR 1960	10.5	JAN 1969		82	59		8.5	SW	63	SW	DEC 1971	64	5.8	114	104	147	115	3	53	7	47	12	65	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1964.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
1976	34.8	49.1	54.7	60.8	64.4	74.7	79.9	76.3	70.6	55.7	40.6	35.8	58.1
RECORD MEAN	36.1	39.2	48.0	59.0	68.1	76.4	79.8	78.2	71.7	60.8	48.0	39.0	58.7
MAX	43.7	47.0	56.4	67.7	76.9	85.2	88.4	86.9	80.7	70.3	56.3	46.2	67.1
MIN	28.5	31.3	29.5	50.2	59.2	67.8	71.2	69.5	62.7	51.2	39.7	31.7	50.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	146	404	730	930	457	328	184	84	0	3331
1976-77	0	0	5	309	724	898							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914
1976	0	0	13	66	74	296	471	360	178	27	0	0	1485

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
1976	2.34	3.54	3.26	1.25	4.70	8.95	5.31	0.66	1.21	2.73	1.13	0.69	35.77
RECORD MEAN	3.99	3.34	4.33	3.97	4.13	4.09	3.25	3.17	3.06	2.73	3.72	3.54	43.36

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4	2.2	2.8	0.0	0.0	0.0	0.0	5.4
1976-77	0.0	0.0	0.0	0.0	0.5	T							
RECORD MEAN	0.0	0.0	0.0	0.0	0.4	1.6	2.7	2.2	2.5	T	0.0	0.0	9.4

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1872 for temperature and precipitation, 1943 for snowfall.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6/01/71	8/19/71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8/20/71	6/30/77	325 ft ENE	37° 00'	89° 10'	314	67	62					58			
U. S. Custom House (third floor)	7/01/77	6/30/22	2200 ft WNW	37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7/01/22	5/31/42		37° 00'	89° 10'	314	93	87	87		80		79			
U. S. Post Office and Court House	6/01/42	Present	300 ft NW	37° 00	89° 10'	314	99	5	5		3	a4	3			New wind vane and F005 transmitter installed 11/9/57. Rotor 99 feet above ground 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof. a - Added 4/1/74.

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

Daniel B. Mitchell
Director, National Climatic Center

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1975

CAIRO, ILLINOIS

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Narrative Climatological Summary

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° of higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 47.12 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winter have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

Meteorological Data For The Current Year

Station: CAIRO, ILLINOIS POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00' N Longitude: 89° 10' W Elevation (ground): 314 feet Year: 1975

Month	Temperature °F Averages Daily maximum	Temperature °F Averages Daily minimum	Temperature °F Averages Monthly	Temperature °F Extremes Highest	Temperature °F Extremes Date	Temperature °F Extremes Lowest	Temperature °F Extremes Date	Degree days Base 65 °F Heating	Degree days Base 65 °F Cooling	Precipitation in inches Water equivalent Total	Water equivalent Greatest in 24 hrs.	Water equivalent Date	Snow, Ice pellets Total	Snow, Ice pellets Greatest in 24 hrs.	Snow, Ice pellets Date	Relative humidity, pct. Hour	Relative humidity, pct. Hour 06 (Local time)	Relative humidity, pct. Hour 12 (Local time)	Relative humidity, pct. Hour	Wind Resultant Direction	Wind Resultant Speed m.p.h.	Wind Average speed m.p.h.	Wind Fastest mile Speed m.p.h.	Wind Fastest mile Direction	Wind Fastest mile Date	Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days Sunrise to sunset Clear	Number of days Sunrise to sunset Partly cloudy	Number of days Sunrise to sunset Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Temperature °F Maximum (b) 90° and above	Temperature °F Maximum 32° and below	Temperature °F Minimum 32° and below	Temperature °F Minimum 0° and below	Average station pressure mb Elev. 357 feet m.s.l.
JAN	47.3	31.2	39.3	70	28	14	13	790	0	3.36	1.30	9-10	0.1	0.1	19								43	SW	10	45					12	0			0	3	18	0	
FEB	46.7	33.0	39.9	66	21	14	9	695	0	4.45	2.78	22-23	0.8	0.8	24								31	SW	24	33					9	0			0	2	12	0	
MAR	51.4	37.4	44.4	71	20	23	3	628	0	10.03	3.85	27-28	12.2	6.3	9-10								44	SW	24	51					16	3			0	0	10	0	
APR	67.4	50.9	59.2	83	27	33	3	224	54	3.65	1.35	24-25	0.0	0.0									37	SW	18	68					9	0			0	0	0	0	
MAY	81.0	64.7	72.9	94	23	56	1	1	252	3.89	1.37	26	0.0	0.0									42	NW	26	72					12	0			3	0	0	0	
JUN	88.9	70.2	79.6	96	29	57	1	0	445	2.96	2.18	5	0.0	0.0									33	SW	17	74					6	0			18	0	0	0	
JUL	89.5	71.4	80.5	97	4	63	13	0	485	4.78	2.24	5-6	0.0	0.0									42	NE	5	78					12	0			18	0	0	0	
AUG	85.8	71.0	78.4	92	28	62	7	0	422	7.31	3.17	2-3	0.0	0.0									26	SW	15	66					12	0			8	0	0	0	
SEP	75.4	60.1	67.8	96	2	47	27	68	160	5.09	2.89	11-12	0.0	0.0									25	SW	11	52					7	0			3	0	0	0	
OCT	72.6	53.2	62.9	89	12	41	30	146	88	2.37	1.06	24-25	0.0	0.0									24	SW	21	66					7	0			0	0	0	0	
NOV	59.8	43.3	51.6	75	2	23	27	404	8	4.80	1.42	6	T	T	26								43	S	29	48					10	0			0	0	7	0	
DEC	47.0	35.4	41.2	67	15	13	18	730	0	4.33	1.30	5-6	0.4	0.4	25-26								26	S	13	30					11	0			0	2	12	0	
YEAR	67.7	51.8	59.8	97	JUL 4	13	DEC 18	3686	1914	57.02	3.85	MAR 27-28	13.5	6.3	MAR 9-10								44	SW	MAR 24	59					123	3			50	7	59	0	

Normals, Means, And Extremes

Month	Temperatures °F Normal Daily maximum	Temperatures °F Normal Daily minimum	Temperatures °F Normal Monthly	Temperatures °F Extremes Record highest	Temperatures °F Extremes Year	Temperatures °F Extremes Record lowest	Temperatures °F Extremes Year	Normal Degree days Base 65 °F Heating	Normal Degree days Base 65 °F Cooling	Precipitation in inches Water equivalent Normal	Water equivalent Maximum monthly	Water equivalent Year	Water equivalent Minimum monthly	Water equivalent Year	Water equivalent Maximum in 24 hrs.	Water equivalent Year	Snow, Ice pellets Maximum monthly	Snow, Ice pellets Year	Snow, Ice pellets Maximum in 24 hrs.	Snow, Ice pellets Year	Relative ¢ humidity pct. Hour	Relative ¢ humidity pct. Hour 06 (Local time)	Relative ¢ humidity pct. Hour 12 (Local time)	Relative ¢ humidity pct. Hour	Wind Mean speed m.p.h.	Wind Prevailing direction	Wind Fastest mile Speed m.p.h.	Wind Fastest mile Direction	Wind Fastest mile Year	Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days Sunrise to sunset Clear	Mean number of days Sunrise to sunset Partly cloudy	Mean number of days Sunrise to sunset Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms %	Heavy fog, visibility ¼ mile or less %	Temperatures °F Max. (b) 90° and above	Temperatures °F Max. 32° and below	Temperatures °F Min. 32° and below	Temperatures °F Min. 0° and below	Average station pressure mb. Elev. 357 feet m.s.l.
(a)				33		33					33		33		33		33		33			22	22		22	22	33	33		33	30	30	30	30	33	33	22	22	33	33	33	33	
J	43.7	28.8	36.3	75	1950	-5	1963	890	0	3.99	14.95	1950	0.33	1943	6.09	1949	11.3	1951	10.5	1969		80	67		9.8	SW	43	SW	1975	44	6.6	8	6	17	10	1	2	1	0	6	20	*	
F	47.6	31.7	39.7	76	1962	-5	1951	708	0	3.77	8.88	1950	0.55	1947	4.79	1950	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	52	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	56.6	39.0	47.8	82	1963	6	1960	549	16	4.74	12.67	1964	1.12	1966	6.58	1964	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	57	6.2	9	7	15	12	1	4	*	0	1	8	0	
A	69.5	51.0	60.3	89	1965	28	1972	176	35	4.37	9.45	1966	0.95	1949	3.79	1944	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	11	*	6	*	0	0	*	0	
M	78.7	59.9	69.3	98	1953	39	1966	38	171	5.18	11.15	1946	1.97	1948	6.16	1967	0.0		0.0			82	57		8.2	SW	49	SW	1961	67	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.0	68.3	77.7	104	1954	51	1956	0	381	4.39	10.24	1951	0.76	1952	5.91	1961	0.0		0.0			83	57		7.4	SW	60	SW	1973	73	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	89.8	71.6	80.7	104	1954	54	1947	0	487	3.24	9.20	1972	0.47	1974	3.18	1972	0.0		0.0			84	59		6.5	SW	45	SW	1952	75	5.6	9	12	10	9	0	8	*	17	0	0	0	
A	88.3	70.0	79.2	103	1964	53	1965	0	440	3.50	8.13	1952	0.75	1969	7.56	1952	0.0		0.0			87	59		6.2	NE	44	NW	1954	76	5.0	12	11	8	8	0	6	*	13	0	0	0	
S	81.4	62.5	72.0	103	1954	42	1967	11	221	3.47	9.39	1965	0.47	1953	6.23	1965	0.0		0.0			87	57		7.0	NE	36	NW	1970	68	5.0	12	9	9	8	0	4	1	4	0	0	0	
O	71.5	51.8	61.7	92	1963	29	1952	157	55	2.68	7.05	1972	T	1964	2.96	1967	T	1949	T	1949		85	53		7.3	S	40	SW	1971	70	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.7	39.9	48.3	82	1955	5	1950	501	0	3.85	13.05	1957	0.70	1954	4.33	1957	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	53	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	46.1	32.0	39.1	73	1951	0	1962	803	0	3.94	7.99	1951	0.66	1955	2.75	1972	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.1	50.6	59.4	104	JUL 1954	-5	JAN 1963	3833	1806	47.12	14.95	JAN 1950	T	OCT 1964	7.56	AUG 1952	20.3	MAR 1960	10.5	JAN 1969		82	59		8.5	SW	63	SW	DEC 1971	63	5.8	114	104	147	115	3	53	7	48	12	65	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through **1964**.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
1975	39.3	39.9	44.4	59.2	72.9	79.6	80.5	78.4	67.8	62.9	51.6	41.2	59.8
RECORD MEAN	36.2	39.1	48.0	59.0	68.1	76.4	79.8	78.3	71.7	60.8	48.1	39.0	58.7
MAX	43.7	46.9	56.4	67.7	76.9	85.2	88.4	86.9	80.7	70.3	56.4	46.2	67.1
MIN	28.6	31.2	39.5	50.3	59.3	67.6	71.2	69.6	62.7	51.3	39.8	31.8	50.2

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795	790	695	628	224	1	0	3834
1975-76	0	0	68	144	404	730							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476
1975	0	0	0	54	252	445	485	422	160	88	8	0	1914

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.39	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
1975	3.36	4.45	10.03	3.65	3.89	2.96	4.78	7.31	5.09	2.37	4.80	4.33	57.02
RECORD MEAN	4.01	3.37	4.34	3.99	4.13	4.04	3.23	3.19	3.08	2.73	3.75	3.57	43.43

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T	0.1	0.8	12.2	0.0	0.0	0.0	13.1
1975-76	0.0	0.0	0.0	0.0	T	0.4							
RECORD MEAN	0.0	0.0	0.0	0.0	0.4	1.6	2.7	2.1	2.6	T	0.0	0.0	9.4

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1872 for temperature and precipitation, 1943 for snowfall.

STATION LOCATION

CAIRO, ILLINOIS

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above									
						Sea level	Ground							Sea level	Remarks
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3	a4	3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof. a - Added 4/1/74.

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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Thomas D. Potter
Director, National Climatic Center

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MAP

al Climatological Data

Summary With Comparative Data

1974

CAIRO, ILLINOIS

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Narrative Climatological Summary

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 47.12 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period. The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / ENVIRONMENTAL DATA SERVICE / NATIONAL CLIMATIC CENTER ASHEVILLE, N.C.

Meteorological Data For The Current Year

Station: CAIPO, ILLINOIS POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00' N Longitude: 89° 10' W Elevation (ground) : 314 feet Year. 1974

Month	Temperature °F							Degree days Base 65 °F		Precipitation in inches						Relative humidity, pct.				Wind						Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days											Average station pressure mb
	Averages			Extremes						Water equivalent			Snow, Ice pellets							Resultant		Average speed m.p.h.	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less.	Temperature °F Maximum		Temperature °F Minimum		Elev.
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour	Direction	Speed m.p.h.		Speed m.p.h.	Direction	Date			Clear	Partly cloudy	Cloudy					(b) 90° and above	32° and below	32° and below	0° and below	357 feet m.s.l.
JAN	42.9	33.D	38.0	65	18	7	1	830	0	4.11	1.72	9-10	0.2	0.2	3								43	SW	26	21					11	0			0	9	14	0	
FEB	49.7	33.1	41.4	67	28	17	25	656	0	1.72	1.12	21-22	D.4	0.4	8								36	SW	21	54					8	0			0	2	16	0	
MAR	60.5	44.1	52.3	78	31	18	24	398	12	3.23	0.81	10-11	0.2	0.2	23								42	SW	4	45					11	0			0	1	5	0	
APR	68.6	49.7	59.2	82	28	33	9	206	40	3.39	1.54	21-22	0.0	0.0									43	SW	3	65					10	0			0	0	0	0	
MAY	77.5	61.1	69.3	92	20	49	7	28	170	3.81	1.34	14-15	0.0	0.0									30	SW	29	57					14	0			2	0	0	0	
JUN	82.0	63.5	72.8	97	21	55	24	2	244	4.62	1.97	6-7	0.0	0.0									34	N	15	74					9	0			5	0	0	0	
JUL	90.9	71.3	81.1	98	19	62	3D	0	506	0.47	0.29	26	0.0	0.0									27	N	28	78					2	0			21	0	0	0	
AUG	84.8	68.2	76.5	90	26	60	5	0	364	6.28	1.65	28-29	0.0	0.0									26	SW	2	66					13	0			1	0	0	0	
SEP	73.6	58.0	65.8	85	12	43	23	66	98	1.48	0.65	13	0.0	0.0									26	NE	3	54					6	0			0	0	0	0	
DCT	71.3	49.3	60.3	82	13	35	21	170	31	1.45	0.73	14-15	0.0	0.0									30	S	31	74					4	0			0	0	0	0	
NDV	57.2	42.0	49.6	75	3	31	26	465	11	4.76	1.35	3-4	T	T	30								36	SW	13	40					14	0			0	0	4	0	
DEC	46.0	32.1	39.1	63	31	20	9	795	0	2.59	0.84	23-24	T	T	17								29	S	18	32					16	0			0	1	17	0	
YEAR	67.1	5D.5	58.8	98	JUL 19	7	JAN 1	3616	1476	37.91	1.97	JUN 6-7	0.8	0.4	FEB 8								43	SW	APR 3	57					118	0			29	13	56	0	

Normals, Means, And Extremes

Month	Temperatures °F							Normal Degree days Base 65 °F		Precipitation in inches											Relative ¢ humidity pct.				Wind					Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days											Average station pressure mb.
	Normal			Extremes						Water equivalent							Snow, Ice pellets								Mean speed m.p.h.	Prevailing direction	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms %	Heavy fog, visibility ¼ mile or less %	Temperatures °F Max.		Temperatures °F Min.		Elev.
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year	Heating	Cooling	Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Maximum monthly	Year	Maximum in 24 hrs.	Year	Hour	Hour 06 (Local time)	Hour 12 (Local time)	Hour			Speed m.p.h.	Direction	Year			Clear	Partly cloudy	Cloudy					(b) 90° and above	32° and below	32° and below	0° and below	357 feet m.s.l.
(a)				32		32					32		32		32		32		32			22	22		22	22	32	32		32	30	30	30	30	32	32	22	22	32	32	32	32	
J	43.7	28.8	36.3	75	1950	-5	1963	890	0	3.99	14.95	1950	0.33	1943	6.09	1949	11.3	1951	10.5	1969		80	67		9.8	SW	43	SW	1974	44	6.6	8	6	17	10	1	2	1	0	6	20	*	
F	47.6	31.7	39.7	76	1962	-5	1951	708	0	3.77	8.88	1950	0.55	1947	4.79	1950	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	53	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	56.6	39.0	47.8	82	1963	6	1960	549	16	4.74	12.67	1964	1.12	1966	6.58	1964	20.3	1960	9.8	1970		78	59		10.6	SW	6D	NW	1964	57	6.2	9	7	15	12	1	4	*	0	1	8	0	
A	69.5	51.0	60.3	89	1965	28	1972	176	35	4.37	9.45	1966	0.95	1949	3.79	1944	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	62	6.1	8	9	13	12	*	6	*	0	0	*	0	
M	78.7	59.9	69.3	98	1953	39	1966	38	171	5.18	11.15	1946	1.97	1948	6.16	1967	0.0		0.0			82	57		8.2	SW	49	SW	1961	67	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.0	68.3	77.7	104	1954	51	1956	0	381	4.39	10.24	1951	0.76	1952	5.91	1961	0.0		0.0			83	57		7.4	SW	6D	SW	1973	73	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	89.8	71.6	80.7	104	1954	54	1947	0	487	3.24	9.20	1972	0.47	1974	3.18	1972	0.0		0.0			84	59		6.5	SW	45	SW	1952	75	5.6	9	12	10	9	0	8	*	17	0	0	0	
A	88.3	70.0	79.2	103	1964	53	1965	0	440	3.50	8.13	1952	0.75	1969	7.56	1952	0.0		0.0			87	59		6.2	NE	44	NW	1954	77	5.0	12	11	8	8	0	6	*	14	0	0	0	
S	81.4	62.5	72.0	103	1954	42	1967	11	221	3.47	9.39	1965	0.47	1953	6.23	1965	0.0		0.0			87	57		7.0	NE	36	NW	1970	69	5.0	12	9	9	8	0	4	1	4	0	0	0	
D	71.5	51.8	61.7	92	1963	29	1952	157	55	2.68	7.05	1972	T	1964	2.96	1967	T	1949	T	1949		85	53		7.3	S	40	SW	1971	70	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.7	39.9	48.3	82	1955	5	1950	501	0	3.85	13.05	1957	0.70	1954	4.33	1957	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	53	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	46.1	32.0	39.1	73	1951	0	1962	803	0	3.94	7.99	1951	0.66	1955	2.75	1972	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.1	50.6	59.4	104	JUL 1954	-5	JAN 1963	3833	1806	47.12	14.95	JAN 1950	T	DCT 1964	7.56	AUG 1952	20.3	MAR 1960	10.5	JAN 1969		82	59		8.5	SW	63	SW	DEC 1971	64	5.8	114	104	147	115	3	53	7	48	12	65	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1964.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	54.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
1974	38.0	41.4	52.3	59.2	69.3	72.8	81.1	76.5	65.8	60.3	49.6	39.1	58.8
RECORD MEAN	36.1	39.1	48.0	59.0	68.1	76.4	79.8	78.2	71.7	60.8	48.1	39.0	58.7
MAX	43.6	46.9	56.4	67.7	76.9	85.2	88.4	86.9	80.7	70.3	56.4	46.2	67.1
MIN	28.5	31.2	39.5	50.3	59.2	67.6	71.2	69.5	62.7	51.2	39.7	31.8	50.2

Heating Degree Days

CAIRO, IL

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853	830	656	398	206	28	2	3455
1974-75	0	0	66	170	465	795							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1969	0	0	0	16	177	372	546	419	213	80	0	0	1823
1970	0	0	0	62	236	316	453	462	338	34	0	0	1901
1971	0	0	0	49	80	460	399	376	295	106	9	0	1774
1972	0	0	1	47	174	348	417	398	280	31	8	0	1704
1973	0	0	3	20	71	403	503	424	281	91	3	0	1799
1974	0	0	12	40	170	244	506	364	98	31	11	0	1476

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
1974	4.11	1.72	3.23	3.39	3.81	4.62	0.47	6.28	1.48	1.45	4.76	2.59	37.91
RECORD MEAN	4.01	3.36	4.28	3.99	4.13	4.05	3.21	3.15	3.06	2.73	3.74	3.56	43.27

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1935-36	0.0	0.0	0.0	0.0	T	4.7	1.4	8.0	T	T	0.0	0.0	14.1
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6	0.2	0.4	0.2	0.0	0.0	0.0	4.4
1974-75	0.0	0.0	0.0	0.0	T	T							
RECORD MEAN	0.0	0.0	0.0	0.0	0.5	1.7	2.8	2.2	2.3	T	0.0	0.0	9.5

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1872 for temperature and precipitation, 1943 for snowfall.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above: Sea level: Ground at temperature site	Elevation above: Ground: Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Sea level: Pyranometer	Remarks
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3	a4	3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof. a - Added 4/1/74.

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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LOCAL CLIMATOLOGICAL DATA

ANNUAL SUMMARY WITH COMPARATIVE DATA

CAIRO, ILLINOIS

1973

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NARRATIVE CLIMATOLOGICAL SUMMARY

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 45.23 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period. The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: CAIRO, ILLINOIS POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00' N Longitude: 89° 10' W Elevation (ground): 314 feet Year: 1973

Month	Temperature							Degree days		Precipitation						Relative humidity				Wind &						Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days											Average daily solar radiation - langleys
	Averages			Extremes				(Base 65°)					Snow, Ice pellets			Hour	Hour	Hour	Hour	Resultant			Fastest mile					Sunrise to sunset							Temperatures				
																																			Maximum		Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	00 (Local time)	06	12	18	Direction	Speed	Average speed	Speed	Direction	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	‡ 90° and above	32° and below	32° and below	0° and below	
JAN	42.9	29.7	36.3	61	17	12	10	882	0	3.34	1.63	21	0.9	0.7	7								36	SE	21+	42	6.5	8	7	16	9	0			0	7	18	0	
FEB	45.7	30.5	38.1	65	1	15	9	745	0	2.16	0.86	7-8	0.3	0.3	8								34	N	8	57	5.7	10	8	10	10	0			0	3	14	0	
MAR	62.7	47.8	55.3	76	9	37	21+	298	3	6.65	1.90	10-11	0.0	0.0									38	SW	11	46	7.2	4	10	17	16	0			0	0	0	0	
APR	63.5	50.0	56.8	78	20	33	11	259	20	7.36	2.03	19-20	T	T	9-10								36	SE	19+	48	7.3	5	5	20	14	0			0	0	0	0	
MAY	73.5	57.4	65.5	84	26	47	3	52	71	7.62	2.59	1	0.0	0.0									42	NW	10	66	5.4	9	13	9	15	0			0	0	0	0	
JUN	86.9	69.4	78.2	94	25	59	1	0	403	3.95	1.98	12-13	0.0	0.0									60	SW	2	73	5.4	10	10	10	11	0			6	0	0	0	
JUL	89.4	72.7	81.1	96	3	65	13+	0	503	3.82	0.93	1	0.0	0.0									38	N	10	66	6.2	5	17	9	12	0			17	0	0	0	
AUG	87.2	69.7	78.5	94	29	63	22+	0	424	2.48	0.83	9	0.0	0.0									33	SE	29	83	3.6	15	13	3	5	0			10	0	0	0	
SEP	80.5	66.4	73.5	89	4	47	19	17	281	4.89	2.36	8	0.0	0.0									22	SE	24	51					9	0			0	0	0	0	
OCT	73.6	55.0	64.3	85	3	39	29	107	91	2.80	0.70	13	0.0	0.0									25	NW	27	66					9	0			0	0	0	0	
NOV	60.5	45.3	52.9	73	15+	25	10	358	3	7.81	2.94	23-24	0.0	0.0									50	SW	25	47					10	0			0	0	3	0	
DEC	43.9	30.5	37.2	65	2	7	21	853	0	5.77	1.63	24	3.6	2.7	19-20								47	SW	4	26					13	2			0	5	19	0	
YEAR	67.5	52.0	59.8	96	JUL. 3	7	DEC. 21	3571	1799	58.65	2.94	NOV. 23-24	4.8	2.7	DEC. 19-20								60	SW	JUN. 2	57					133	2			33	15	54	0	

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal heating degree days (Base 65°)	Precipitation												Relative humidity ¢				Wind &					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days											Average daily solar radiation - langleys
	Normal			Extremes												Snow, Ice pellets					Hour	Hour	Hour	Hour			Fastest mile					Sunrise to sunset							Temperatures				
																																							Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	00 (Local time)	06	12	18	# Mean speed	Prevailing direction	Speed	# Direction	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	% Thunderstorms	% Heavy fog	‡ 90° and above	32° and below	32° and below	0° and below	
(a)	(b)	(b)	(b)	31		31		(b)	(b)	31		31		31		31	31		31			22	22		22	22	31	31		31	30	30	30	30	31	31	22	22	31	31	31	31	
J	43.7	28.8	36.3	75	1950	-5	1963	890	3.99	14.95	1950	0.33	1943	6.09	1949	2.9	11.3	1951	10.5	1969		80	67		9.8	SW	43	SW	1965	45	6.6	8	6	17	10	1	2	1	0	6	20	*	
F	47.6	31.7	39.7	76	1962	-5	1951	708	3.77	8.88	1950	0.55	1947	4.79	1950	2.2	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	53	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	56.6	39.0	47.8	82	1963+	6	1960	549	4.74	12.67	1964	1.12	1966	6.58	1964	2.4	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	57	6.2	9	7	15	12	1	4	*	0	1	8	0	
A	69.5	51.0	60.3	89	1965	28	1972	176	4.37	9.45	1966	0.95	1949	3.79	1944	T	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	62	6.1	8	9	13	12	*	6	*	0	0	*	0	
M	78.7	59.9	69.3	98	1953	39	1966+	38	5.18	11.15	1946	1.97	1948	6.16	1967	0.0	0.0		0.0			82	57		8.2	SW	49	SW	1961	67	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.0	68.3	77.7	104	1954+	51	1956	0	4.39	10.24	1951	0.76	1952	5.91	1961	0.0	0.0		0.0			83	57		7.4	SW	60	SW	1973	73	5.6	8	12	10	9	0	9	*	11	0	0	0	
J	89.8	71.6	80.7	104	1954+	54	1947	0	3.24	9.20	1972	0.84	1945	3.18	1972	0.0	0.0		0.0			84	59		6.5	SW	45	SW	1952	74	5.6	9	12	10	9	0	8	*	16	0	0	0	
A	88.3	70.0	79.2	103	1964+	53	1965+	0	3.50	8.13	1952	0.75	1969	7.56	1952	0.0	0.0		0.0			87	59		6.2	NE	44	NW	1954	77	5.0	12	11	8	8	0	6	*	14	0	0	0	
S	81.4	62.5	72.0	103	1954	42	1967+	11	3.47	9.39	1965	0.47	1953	6.23	1965	0.0	0.0		0.0			87	57		7.0	NE	36	NW	1970	69	5.0	12	9	9	8	0	4	1	4	0	0	0	
O	71.5	51.8	61.7	92	1963+	29	1952	157	2.68	7.05	1972	T	1964	2.96	1967	0.0	T	1949	T	1949		85	53		7.3	S	40	SW	1971	70	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.7	39.9	48.3	82	1955	5	1950	501	3.85	13.05	1957	0.70	1954	4.33	1957	0.5	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	53	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	46.1	32.0	39.1	73	1951	0	1962	803	3.94	7.99	1951	0.66	1955	2.75	1972	1.7	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	45	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.1	50.6	59.4	104	JUL. 1954+	-5	JAN. 1963+	3833	47.12	14.95	JAN. 1950	T	OCT. 1964	7.56	AUG. 1952	9.7	20.3	MAR. 1960	10.5	JAN. 1969		82	59		8.5	SW	63	SW	DEC. 1971	64	5.8	114	104	147	115	3	53	7	48	12	66	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological normals (1941-1970).
* Less than one half.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
— Below zero temperatures are preceded by a minus sign.
‡ ≥ 70° at Alaskan stations.

The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1964.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "Ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

# To 8 compass points only.

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1934	40.9	34.5	44.4	59.4	70.9	80.4	83.5	79.0	68.6	63.7	52.6	37.6	59.6
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	62.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
1973	36.3	38.1	55.3	56.8	65.5	78.2	81.1	78.5	73.5	64.3	52.9	37.2	59.8
RECORD MEAN	36.1	39.0	48.0	59.0	68.1	76.4	79.8	78.3	71.8	60.8	48.0	39.0	58.7
MAX	43.6	46.8	56.4	67.7	76.9	85.2	88.4	86.9	80.8	70.3	56.3	46.2	67.1
MIN	28.5	31.1	39.5	50.3	59.2	67.6	71.2	69.6	62.8	51.3	39.7	31.8	50.2

HEATING DEGREE DAYS

CAIRO, ILLINOIS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1934-35	0	0	35	98	374	846	820	652	322	290	88	6	3531
1935-36	0	2	24	168	537	995	1060	984	379	342	19	0	4510
1936-37	0	0	12	194	620	703	800	772	628	236	38	0	4003
1937-38	0	0	38	268	588	903	858	480	280	182	47	0	3644
1938-39	0	0	27	103	458	790	676	732	426	291	43	0	3546
1939-40	0	0	12	153	550	722	1336	817	572	290	86	0	4538
1940-41	0	0	45	86	534	671	816	830	682	134	25	0	3823
#1941-42	0	0	7	97	510	686	957	792	454	170	60	5	3738
1942-43	0	0	74	143	411	853	860	627	656	235	21	0	3880
1943-44	0	0	37	205	569	896	802	622	546	226	58	1	3962
1944-45	0	0	0	165	470	967	971	701	269	141	125	19	3828
1945-46	0	0	16	190	471	983	819	577	196	114	51	5	3422
1946-47	0	2	10	99	394	636	758	916	723	186	61	0	3785
1947-48	0	0	43	48	584	755	1109	762	497	123	24	0	3945
1948-49	0	0	15	207	439	674	742	618	518	218	10	0	3441
1949-50	0	0	53	135	466	663	628	629	614	277	32	0	3497
1950-51	0	0	21	59	664	954	837	685	549	311	30	3	4113
1951-52	0	0	24	155	682	743	710	576	520	226	46	0	3682
1952-53	0	0	4	310	484	738	735	593	382	298	48	0	3592
1953-54	0	0	4	127	478	791	865	495	531	100	103	2	3496
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876	882	745	298	259	52	0	3941
1973-74	0	0	17	107	358	853							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1934	1.28	2.01	3.86	1.69	1.59	0.92	3.41	2.70	6.02	2.68	8.45	3.30	37.91
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.98	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.79	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
1973	3.34	2.16	6.65	7.36	7.62	3.95	3.82	2.48	4.89	2.80	7.81	5.77	58.65
RECORD MEAN	4.01	3.38	4.29	4.00	4.13	4.05	3.24	3.12	3.08	2.74	3.73	3.57	43.34

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1934-35	0.0	0.0	0.0	0.0	0.0	1.5	0.1	T	0.0	0.0	0.0	0.0	1.6
1935-36	0.0	0.0	0.0	0.0	T	4.7	1.4	8.0	T	T	0.0	0.0	14.1
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7	0.9	0.3	0.0	T	0.0	0.0	2.9
1973-74	0.0	0.0	0.0	0.0	0.0	3.6							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1872.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3		3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof.

Requests for additional climatic information should be addressed to: Director, National Climatic Center, Federal Building, Asheville, N. C. 28801

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LOCAL CLIMATOLOGICAL DATA

ANNUAL SUMMARY WITH COMPARATIVE DATA

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CAIRO, ILLINOIS

1972

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NARRATIVE CLIMATOLOGICAL SUMMARY

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 45.23 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period. The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: CAIRO, ILLINOIS   POST OFFICE BUILDING   Standard time used: CENTRAL   Latitude: 37° 00' N   Longitude: 89° 10' W   Elevation (ground): 314 feet   Year: 1972

Month	Temperature							Degree days		Precipitation						Relative humidity				Wind &						Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days											Average daily solar radiation - langleys
	Averages			Extremes				(Base 65°)					Snow, Ice pellets			Hour 00	Hour 06	Hour 12	Hour 18	Resultant			Fastest mile					Sunrise to sunset							Temperatures Maximum		Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date	(Local time)				Direction	Speed	Average speed	Speed	Direction #	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90° and above ‡	32° and below	32° and below	0° and below	
JAN	44.4	28.2	36.3	71	24	0	16	881	0	2.68	1.69	27	3.2	2.0	27								38	SW	24	41	6.5	9	3	19	10	2			0	6	17	1	
FEB	47.8	31.7	39.8	75	29	15	4	726	0	4.69	2.56	23-24	T	T	8 +								33	SW	14	55	5.4	9	11	9	11	0			0	2	13	0	
MAR	57.6	40.2	48.9	76	20	25	3	491	1	4.06	1.73	1-2	0.2	0.2	2								41	SW	6	59	5.5	11	8	12	15	0			0	0	5	0	
APR	68.8	50.9	59.9	82	19	28	8	195	47	6.79	3.19	15	0.0	0.0									35	SW	20+	62	5.9	9	9	12	9	0			0	0	2	0	
MAY	78.4	60.7	69.6	91	22	51	9	25	174	2.64	1.00	1	0.0	0.0									25	SW	14+	67	4.7	14	8	9	7	0			2	0	0	0	
JUN	86.8	66.0	76.4	96	9	52	1	0	348	2.05	1.32	28	0.0	0.0									37	W	28+	76	3.9	15	12	3	8	0			8	0	0	0	
JUL†	86.3	70.3	78.3	95	23	57	6	0	417	9.20	3.18	27-28	0.0	0.0									33	NW	26	†67	5.2	10	14	7	11	0			12	0	0	0	
AUG	86.0	69.2	77.6	94	20+	60	10	0	398	4.52	1.70	12	0.0	0.0									40	SW	22	71	4.5	15	11	5	10	0			9	0	0	0	
SEP	80.8	66.2	73.5	91	20+	43	30	17	280	5.10	1.83	23	0.0	0.0									28	N	29	44	6.4	8	8	14	11	0			3	0	0	0	
OCT	66.5	50.9	58.7	80	12+	34	19	219	31	7.05	2.08	30-31+	0.0	0.0									25	SW	11	44	6.4	9	8	14	13	0			0	0	0	0	
NOV	50.6	39.8	45.2	80	1	29	29+	593	8	5.09	1.94	6-7	T	T	29 +								31	SW	2	28	7.5	5	6	19	14	0			0	0	4	0	
DEC	42.6	30.4	36.5	65	5	14	17	876	0	6.10	2.75	7-8	1.7	1.7	15								36	SW	1	31	7.3	7	4	20	15	1			0	3	15	0	
YEAR	66.4	50.4	58.4	96	JUN. 9	0	JAN. 16	4023	1704	59.97	3.19	APR. 15	5.1	2.0	JAN. 27								41	SW	MAR. 6	56	5.8	121	102	143	134	3			34	11	56	1	

† DATA CORRECTED AFTER PUBLICATION OF THE MONTHLY ISSUE.

In the July issue, also correct Col. 18 to 13.8 on the 20th, and 298.1 for the month; Col. 19 on the 20th should be 96.

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal heating degree days (Base 65°)	Precipitation												Relative humidity ¢				Wind &					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days											Average daily solar radiation - langleys
	Normal			Extremes												Snow, Ice pellets					Hour 00	Hour 06	Hour 12	Hour 18			Fastest mile					Sunrise to sunset					%	%	Temperatures Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	(Local time)				Mean speed	Prevailing direction #	Speed	Direction	Year #			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	90° and above ‡	32° and below	32° and below	0° and below	
(a)	(b)	(b)	(b)	30		30		(b)	(b)	30		30		30		30	30		30			22	22		22	22	30	30		30	30	30	30	30	30	30	22	22	30	30	30	30	
J	44.6	30.2	37.4	75	1950	-5	1963	856	4.46	14.95	1950	0.33	1943	6.09	1949	2.9	11.3	1951	10.5	1969		80	67		9.8	SW	43	SW	1965	45	6.6	8	6	17	10	1	2	1	0	6	20	*	
F	48.5	32.9	40.7	76	1962	-5	1951	680	3.67	8.88	1950	0.55	1947	4.79	1950	2.3	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	52	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	57.0	39.4	48.2	82	1963+	6	1960	539	4.79	12.67	1964	1.12	1966	6.58	1964	2.4	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	58	6.2	9	7	15	12	1	4	*	0	1	8	0	
A	68.9	49.9	59.4	89	1965	28	1972	195	4.07	9.45	1966	0.95	1949	3.79	1944	T	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	12	*	6	*	0	0	*	0	
M	78.5	59.4	69.0	98	1953	39	1966+	47	4.39	11.15	1946	1.97	1948	6.16	1967	0.0	0.0		0.0			82	57		8.2	SW	49	SW	1961	67	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.5	68.2	77.9	104	1954+	51	1956	0	4.13	10.24	1951	0.76	1952	5.91	1961	0.0	0.0		0.0			83	57		7.4	SW	50	NE	1953	73	5.6	8	12	10	9	0	9	*	12	0	0	0	
J	90.3	71.8	81.1	104	1954+	54	1947	0	3.19	9.20	1972	0.84	1945	3.18	1972	0.0	0.0		0.0			84	59		6.5	SW	45	SW	1952	75	5.6	9	12	10	9	0	8	*	16	0	0	0	
A	89.2	70.6	79.9	103	1964+	53	1965+	0	3.10	8.13	1952	0.75	1969	7.56	1952	0.0	0.0		0.0			87	59		6.2	NE	44	NW	1954	77	5.0	12	11	8	8	0	6	*	14	0	0	0	
S	82.4	62.5	72.5	103	1954	42	1967+	36	3.01	9.39	1965	0.47	1953	6.23	1965	0.0	0.0		0.0			87	57		7.0	NE	36	NW	1970	70	5.0	12	9	9	8	0	4	1	4	0	0	0	
O	71.9	51.9	61.9	92	1963+	29	1952	164	2.88	7.05	1972	T	1964	2.96	1967	0.0	T	1949	T	1949		85	53		7.3	S	40	SW	1971	70	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.3	39.5	47.9	82	1955	5	1950	513	3.87	13.05	1957	0.70	1954	4.33	1957	0.5	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	54	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	46.4	32.6	39.5	73	1951	0	1962	791	3.67	7.99	1951	0.66	1955	2.75	1972	1.7	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	46	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.5	50.7	59.6	104	JUL. 1954+	-5	JAN. 1963+	3821	45.23	14.95	JAN. 1950	T	OCT. 1964	7.56	AUG. 1952	9.8	20.3	MAR. 1960	10.5	JAN. 1969		82	59		8.5	SW	63	SW	DEC. 1971	64	5.8	114	104	147	114	3	53	7	49	12	66	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917; fastest mile of wind 62 from North in May 1937.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological standard normals (1931-1960).
• Less than one half.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
Below zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1964.
‡ ≥ 70° at Alaskan stations.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

# To 8 compass points only.

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AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1933	45.8	37.8	47.6	58.5	70.3	79.6	79.4	76.8	77.1	59.6	48.4	44.5	60.4
1934	40.9	34.5	44.4	59.4	70.9	80.4	83.5	79.0	68.6	63.7	52.6	37.6	59.6
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
1972	36.3	39.8	48.9	59.9	69.6	76.4	78.3	77.6	73.5	58.7	45.2	36.5	58.4
RECORD													
MEAN	36.1	39.0	47.9	59.0	68.1	76.4	79.8	78.3	71.8	60.8	48.0	39.0	58.7
MAX	43.6	46.9	56.3	67.7	76.9	85.2	88.4	86.9	80.8	70.3	56.3	46.2	67.1
MIN	28.5	31.1	39.4	50.3	59.2	67.6	71.2	69.6	62.7	51.2	39.7	31.8	50.2

TOTAL DEGREE DAYS

CAIRO, ILLINOIS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1933-34	0	0	0	192	500	636	746	854	638	203	16	0	3785
1934-35	0	0	35	98	374	846	820	652	322	290	88	6	3531
1935-36	0	2	24	168	537	995	1060	984	379	342	19	0	4510
1936-37	0	0	12	194	620	703	800	772	628	236	38	0	4003
1937-38	0	0	38	268	588	903	858	480	280	182	47	0	3644
1938-39	0	0	27	103	458	790	676	732	426	291	43	0	3546
1939-40	0	0	12	153	550	722	1336	817	572	290	86	0	4538
1940-41	0	0	45	86	534	671	816	830	682	134	25	0	3923
#1941-42	0	0	7	97	510	686	957	792	454	170	60	5	3738
1942-43	0	0	74	143	411	853	860	627	656	235	21	0	3880
1943-44	0	0	37	205	569	896	802	622	546	226	58	1	3962
1944-45	0	0	0	165	470	967	971	701	269	141	125	19	3828
1945-46	0	0	16	190	471	983	819	577	196	114	51	5	3422
1946-47	0	2	10	99	394	636	758	916	723	186	61	0	3785
1947-48	0	0	43	48	584	755	1109	762	497	123	24	0	3945
1948-49	0	0	15	207	439	674	742	618	518	218	10	0	3441
1949-50	0	0	53	135	466	663	628	629	614	277	32	0	3497
1950-51	0	0	21	59	664	954	837	685	549	311	30	3	4113
1951-52	0	0	24	155	682	743	710	576	520	226	46	0	3682
1952-53	0	0	4	310	484	738	735	593	382	298	48	0	3592
1953-54	0	0	4	127	478	791	865	495	531	100	103	2	3496
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562	881	726	491	195	25	0	3388
1972-73	0	0	17	219	593	876							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1933	3.78	3.77	6.39	3.68	9.02	0.91	7.49	4.41	7.81	2.75	1.23	2.60	53.84
1934	1.28	2.01	3.86	1.69	1.59	0.92	3.41	2.70	6.02	2.68	8.45	3.30	37.91
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.89	1.82	4.17	41.29
1972	2.68	4.69	4.06	6.79	2.64	2.05	9.20	4.52	5.10	7.05	5.09	6.10	59.97
RECORD MEAN	4.02	3.39	4.27	3.97	4.10	4.05	3.24	3.13	3.06	2.74	3.69	3.55	43.21

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1933-34	0.0	0.0	0.0	0.0	0.0	T	T	1.3	1.4	0.0	0.0	0.0	2.7
1934-35	0.0	0.0	0.0	0.0	0.0	1.5	0.1	T	0.0	0.0	0.0	0.0	1.6
1935-36	0.0	0.0	0.0	0.0	T	4.7	1.4	8.0	T	T	0.0	0.0	14.1
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.5
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T	3.2	T	0.2	0.0	0.0	0.0	5.4
1972-73	0.0	0.0	0.0	0.0	T	1.7							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1872.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3		3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof.

Requests for additional information should be directed to the National Weather Service Office for which this summary was issued.

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NARRATIVE CLIMATOLOGICAL SUMMARY

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 45.23 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period. The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: CAIRO, ILLINOIS POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00' N Longitude: 89° 10' W Elevation (ground): 314 feet Year: 1971

Month	Temperature – Averages – Daily maximum	Temperature – Averages – Daily minimum	Temperature – Averages – Monthly	Temperature – Extremes – Highest	Temperature – Extremes – Date	Temperature – Extremes – Lowest	Temperature – Extremes – Date	Degree days (Base 65°) – Heating	Degree days (Base 65°) – Cooling	Precipitation – Total	Precipitation – Greatest in 24 hrs.	Precipitation – Date	Precipitation – Snow, Ice pellets – Total	Precipitation – Snow, Ice pellets – Greatest in 24 hrs.	Precipitation – Snow, Ice pellets – Date	Relative humidity – Hour 00 (Local time)	Relative humidity – Hour 06	Relative humidity – Hour 12	Relative humidity – Hour 18	Wind & – Resultant – Direction	Wind & – Resultant – Speed	Wind & – Average speed	Wind & – Fastest mile – Speed	Wind & – Fastest mile – Direction #	Wind & – Fastest mile – Date	Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days – Sunrise to sunset – Clear	Number of days – Sunrise to sunset – Partly cloudy	Number of days – Sunrise to sunset – Cloudy	Number of days – Precipitation .01 inch or more	Number of days – Snow, Ice pellets 1.0 inch or more	Number of days – Thunderstorms	Number of days – Heavy fog	Number of days – Temperatures – Maximum – 90° and above ‡	Number of days – Temperatures – Maximum – 32° and below	Number of days – Temperatures – Minimum – 32° and below	Number of days – Temperatures – Minimum – 0° and below	Average daily solar radiation - langleys
JAN	40.7	26.3	33.5	63	13	14	19+	967	0	3.22	1.90	13	T	T	30 +								32	S	3	35	6.7	7	8	16	6	0			0	7	24	0	
FEB	46.5	30.3	38.4	70	18	7	9	739	0	5.31	2.23	21	4.3	4.0	12								38	SW	22	49	5.9	11	4	13	11	1			0	6	17	0	
MAR	53.7	37.2	45.5	75	14	24	4	598	0	1.39	0.37	6	3.6	3.0	2-3								52	W	15	62	5.3	9	14	8	10	2			0	0	6	0	
APR	70.5	48.6	59.6	87	20+	33	7	207	49	1.48	0.62	23	1.0	1.0	5								35	S	27+	76	4.0	18	6	6	9	1			0	0	0	0	
MAY	74.8	55.6	65.2	86	16	43	3	64	80	4.36	1.80	23-24	0.0	0.0									38	SW	7+	60	5.2	12	7	12	10	0			0	0	0	0	
JUN	88.9	71.2	80.1	99	25	62	2	0	460	5.72	2.00	1	0.0	0.0									41	SW	27	65	5.0	8	18	4	7	0			13	0	0	0	
JUL	85.6	69.6	77.6	98	13	57	31	0	399	7.99	2.67	14-15	0.0	0.0									27	N	14	63	5.2	11	10	10	12	0			7	0	0	0	
AUG	84.9	68.8	76.9	91	20	59	1	0	376	4.03	1.79	21-22	0.0	0.0									29	NW	21+	66	4.5	14	10	7	9	0			8	0	0	0	
SEP	82.5	66.1	74.3	91	14	52	21	9	295	0.91	0.31	2-3	0.0	0.0									21	SW	28+	60	4.8	11	12	7	6	0			2	0	0	0	
OCT	76.5	58.0	67.3	88	2+	45	10	29	106	0.89	0.33	15	0.0	0.0									40	SW	27	56	5.1	13	6	12	6	0			0	0	0	0	
NOV	57.7	40.9	49.3	80	1	27	8	470	9	1.82	1.03	6	2.0	2.0	23-24								29	E	28	57	5.2	12	7	11	9	1			0	0	5	0	
DEC	53.8	39.3	46.6	71	10	23	18	562	0	4.17	0.94	9	T	T	19								63	SW	10	31	7.4	6	5	20	13	0			0	0	7	0	
YEAR	68.0	51.0	59.5	99	JUN. 25	7	FEB. 9	3645	1774	41.29	2.67	JUL. 14-15	10.9	4.0	FEB. 12								63	SW	DEC. 10	58	5.4	132	107	126	108	5			30	13	59	0	

NORMALS, MEANS, AND EXTREMES

Month	Temperature – Normal – Daily maximum	Temperature – Normal – Daily minimum	Temperature – Normal – Monthly	Temperature – Extremes – Record highest	Temperature – Extremes – Year	Temperature – Extremes – Record lowest	Temperature – Extremes – Year	Normal heating degree days (Base 65°)	Precipitation – Normal total	Precipitation – Maximum monthly	Precipitation – Year	Precipitation – Minimum monthly	Precipitation – Year	Precipitation – Maximum in 24 hrs.	Precipitation – Year	Precipitation – Snow, Ice pellets – Mean total	Precipitation – Snow, Ice pellets – Maximum monthly	Precipitation – Snow, Ice pellets – Year	Precipitation – Snow, Ice pellets – Maximum in 24 hrs.	Precipitation – Snow, Ice pellets – Year	Relative humidity ¢ – Hour 00 (Local time)	Relative humidity ¢ – Hour 06	Relative humidity ¢ – Hour 12	Relative humidity ¢ – Hour 18	Wind & – Mean speed	Wind & – Prevailing direction #	Wind & – Fastest mile – Speed	Wind & – Fastest mile – Direction #	Wind & – Fastest mile – Year	Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days – Sunrise to sunset – Clear	Mean number of days – Sunrise to sunset – Partly cloudy	Mean number of days – Sunrise to sunset – Cloudy	Mean number of days – Precipitation .01 inch or more	Mean number of days – Snow, Ice pellets 1.0 inch or more	Mean number of days – Thunderstorms %	Mean number of days – Heavy fog %	Mean number of days – Temperatures – Max. – 90° and above ‡	Mean number of days – Temperatures – Max. – 32° and below	Mean number of days – Temperatures – Min. – 32° and below	Mean number of days – Temperatures – Min. – 0° and below	Average daily solar radiation - langleys
(a)	(b)	(b)	(b)	29		29		(b)	(b)	29		29		29		29	29		29			22	22		22	22	29	29		29	29	29	29	29	29	29	22	22	29	29	29	29	
J	44.6	30.2	37.4	75	1950	-5	1963	856	4.46	14.95	1950	0.33	1943	6.09	1949	2.9	11.3	1951	10.5	1969		80	67		9.8	SW	43	SW	1965	45	6.6	8	6	17	10	1	2	1	0	5	20	*	
F	48.5	32.9	40.7	76	1962	-5	1951	680	3.67	8.88	1950	0.55	1947	4.79	1950	2.4	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	52	6.3	8	6	14	9	1	2	1	0	3	15	*	
M	57.0	39.4	48.2	82	1963+	6	1960	539	4.79	12.67	1964	1.12	1966	6.58	1964	2.5	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	58	6.2	9	7	15	12	1	4	*	0	1	8	0	
A	68.9	49.9	59.4	89	1965	30	1944	195	4.07	9.45	1966	0.95	1949	3.79	1944	T	1.0	1971	1.0	1971		77	54		10.2	SW	59	SW	1957	63	6.1	8	9	13	12	*	6	*	0	0	*	0	
M	78.5	59.4	69.0	98	1953	39	1966+	47	4.39	11.15	1946	1.97	1948	6.16	1967	0.0	0.0		0.0			82	57		8.2	SW	49	SW	1961	67	6.1	8	10	13	11	0	7	*	2	0	0	0	
J	87.5	68.2	77.9	104	1954+	51	1956	0	4.13	10.24	1951	0.76	1952	5.91	1961	0.0	0.0		0.0			83	57		7.4	SW	50	NE	1953	73	5.7	8	12	10	9	0	9	*	12	0	0	0	
J	90.3	71.8	81.1	104	1954+	54	1947	0	3.19	8.19	1955	0.84	1945	2.79	1952	0.0	0.0		0.0			84	59		6.5	SW	45	SW	1952	75	5.6	8	13	10	9	0	8	*	17	0	0	0	
A	89.2	70.6	79.9	103	1964+	53	1965+	0	3.10	8.13	1952	0.75	1969	7.56	1952	0.0	0.0		0.0			87	59		6.2	NE	44	NW	1954	77	5.0	11	12	8	8	0	6	*	14	0	0	0	
S	82.4	62.5	72.5	103	1954	42	1967+	36	3.01	9.39	1965	0.47	1953	6.23	1965	0.0	0.0		0.0			87	57		7.0	NE	36	NW	1970	71	4.9	12	9	9	8	0	4	1	4	0	0	0	
O	71.9	51.9	61.9	92	1963+	29	1952	164	2.88	6.55	1949	T	1964	2.96	1967	0.0	T	1949	T	1949		85	53		7.3	S	40	SW	1971	71	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.3	39.5	47.9	82	1955	5	1950	513	3.87	13.05	1957	0.70	1954	4.33	1957	0.5	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	55	5.9	9	8	13	9	*	2	1	0	*	6	0	
D	46.4	32.6	39.5	73	1951	0	1962	791	3.67	7.99	1951	0.66	1955	2.64	1967	1.7	10.5	1969	6.9	1969		79	66		9.3	S	63	SW	1971	47	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.5	50.7	59.6	104	JUL. 1954+	-5	JAN. 1963+	3821	45.23	14.95	JAN. 1950	T	OCT. 1964	7.56	AUG. 1952	10.0	20.3	MAR. 1960	10.5	JAN. 1969		82	59		8.5	SW	63	SW	DEC. 1971	64	5.8	112	106	147	114	3	53	7	49	12	66	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917; fastest mile of wind 62 from North in May 1937.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.

(b) Climatological standard normals (1931-1960).

* Less than one half.

+ Also on earlier dates, months, or years.

T Trace, an amount too small to measure.

Below zero temperatures are preceded by a minus sign.

The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1964.

‡ ≥ 70° at Alaskan stations.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "Ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

# To 8 compass points only.

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1932	44.1	48.6	42.7	60.3	68.4	78.2	81.5	79.0	70.2	58.2	43.8	37.2	59.4
1933	45.8	37.8	47.6	58.5	70.3	79.6	79.4	76.8	77.1	59.6	48.4	44.5	60.4
1934	40.9	34.5	44.4	59.4	70.9	80.4	83.5	79.0	68.6	63.7	52.6	37.6	59.6
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
1971	33.5	38.4	45.5	59.6	65.2	80.1	77.6	76.9	74.3	67.3	49.3	46.6	59.5
RECORD MEAN	36.1	39.0	47.9	59.0	68.1	76.4	79.8	78.3	71.8	60.8	48.1	39.0	58.7
MAX	43.6	46.8	56.3	67.7	76.9	85.2	88.4	86.9	80.8	70.3	56.4	46.2	67.1
MIN	28.5	31.1	39.4	50.3	59.2	67.6	71.2	69.6	62.7	51.2	39.7	31.8	50.2

TOTAL DEGREE DAYS

CAIRO, ILLINOIS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1932-33	0	0	20	224	638	864	592	761	545	216	26	2	3888
1933-34	0	0	0	192	500	636	746	854	638	203	16	0	3785
1934-35	0	0	35	98	374	846	820	652	322	290	88	6	3531
1935-36	0	2	24	168	537	995	1060	984	379	342	19	0	4510
1936-37	0	0	12	194	620	703	800	772	628	236	38	0	4003
1937-38	0	0	38	268	588	903	858	480	280	182	47	0	3644
1938-39	0	0	27	103	458	790	676	732	426	291	43	0	3546
1939-40	0	0	12	153	550	722	1336	817	572	290	86	0	4538
1940-41	0	0	45	86	534	671	816	830	682	134	25	0	3823
#1941-42	0	0	7	97	510	686	957	792	454	170	60	5	3738
1942-43	0	0	74	143	411	853	860	627	656	235	21	0	3880
1943-44	0	0	37	205	569	896	802	622	546	226	58	1	3962
1944-45	0	0	0	165	470	967	971	701	269	141	125	19	3828
1945-46	0	0	16	190	471	983	819	577	196	114	51	5	3422
1946-47	0	2	10	99	394	636	758	916	723	186	61	0	3785
1947-48	0	0	43	48	584	755	1109	762	497	123	24	0	3945
1948-49	0	0	15	207	439	674	742	618	518	218	10	0	3441
1949-50	0	0	53	135	466	663	628	629	614	277	32	0	3497
1950-51	0	0	21	59	664	954	837	685	549	311	30	3	4113
1951-52	0	0	24	155	682	743	710	576	520	226	46	0	3682
1952-53	0	0	4	310	484	738	735	593	382	298	48	0	3592
1953-54	0	0	4	127	478	791	865	495	531	100	103	2	3496
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685	967	739	598	207	64	0	3953
1971-72	0	0	9	29	470	562							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1932	7.02	4.43	4.19	3.28	0.50	1.78	2.58	3.79	5.67	3.56	2.65	6.88	46.33
1933	3.78	3.77	6.39	3.68	9.02	0.91	7.49	4.41	7.81	2.75	1.23	2.60	53.84
1934	1.28	2.01	3.86	1.69	1.59	0.92	3.41	2.70	6.02	2.68	8.45	3.30	37.91
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
1971	3.22	5.31	1.39	1.48	4.36	5.72	7.99	4.03	0.91	0.69	1.82	4.17	41.29
RECORD MEAN	4.03	3.38	4.27	3.94	4.11	4.07	3.18	3.12	3.04	2.70	3.67	3.52	43.03

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1932-33	0.0	0.0	0.0	0.0	1.6	2.0	T	3.8	T	0.0	0.0	0.0	7.4
1933-34	0.0	0.0	0.0	0.0	0.0	T	T	1.3	1.4	0.0	0.0	0.0	2.7
1934-35	0.0	0.0	0.0	0.0	0.0	1.5	0.1	T	0.0	0.0	0.0	0.0	1.6
1935-36	0.0	0.0	0.0	0.0	T	4.7	1.4	8.0	T	T	0.0	0.0	14.1
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2	T	4.3	3.6	1.0	0.0	0.0	9.1
1971-72	0.0	0.0	0.0	0.0	2.0	T							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1872.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3		3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof.

Requests for additional information should be directed to the National Weather Service Office for which this summary was issued.

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NARRATIVE CLIMATOLOGICAL SUMMARY

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 45.23 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period. The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: CAIRO, ILLINOIS   POST OFFICE BUILDING   Standard time used: CENTRAL   Latitude: 37° 00' N   Longitude: 89° 10' W   Elevation (ground): 314 feet   Year: 1970

Month	Temperature							Degree days		Precipitation						Relative humidity				Wind &						Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days											Average daily solar radiation - langleys
	Averages			Extremes				(Base 65°)					Snow, Ice pellets			Hour 00	Hour 06	Hour 12	Hour 18	Resultant			Fastest mile					Sunrise to sunset							Temperatures				
																(Local time)																			Maximum		Minimum		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date	Heating	Cooling	Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date					Direction	Speed	Average speed	Speed	Direction #	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	‡ 90° and above	32° and below	32° and below	0° and below	
JAN	38.0	20.7	29.4	69	28	-3	21	1096	0	0.72	0.36	10-11	3.8	1.9	5-6								36	SW	28	45	5.7	13	3	15	8	2			0	12	27	1	
FEB	43.8	28.5	36.2	63	18	5	3	800	0	2.80	1.00	1-2	2.7	1.0	13								35	SW	18	44	6.5	8	5	15	10	1			0	2	18	0	
MAR	50.5	37.3	43.9	67	2	27	15	647	0	7.12	1.91	17	11.8	9.8	16-17								41	NW	25	40	7.3	7	4	20	16	3			0	0	6	0	
APR	70.7	53.4	62.1	84	30	39	2	142	62	6.82	2.34	23-24	0.0	0.0									42	SW	20	54	6.3	5	14	11	10	0			0	0	0	0	
MAY	80.5	62.6	71.6	91	25	48	3	25	236	4.60	1.55	15-16	0.0	0.0									35	SW	8	74	4.7	12	11	8	12	0			3	0	0	0	
JUN	83.6	67.0	75.3	93	30+	59	6+	0	316	5.79	1.97	12-13	0.0	0.0									32	SW	1	67	5.5	9	10	11	9	0			4	0	0	0	
JUL	88.2	70.7	79.5	100	2	61	22+	0	453	0.91	0.27	27	0.0	0.0									21	SW	28+	68	4.9	10	14	7	6	0			15	0	0	0	
AUG	87.1	72.0	79.6	98	3	64	24	0	462	6.75	3.86	4-5	0.0	0.0									22	NW	20+	62	5.6	11	10	10	8	0			10	0	0	0	
SEP	83.7	67.5	75.6	93	7	49	28+	11	338	5.76	1.89	18-19	0.0	0.0									36	NW	26	65	5.2	8	13	9	9	0			7	0	0	0	
OCT	69.0	52.0	60.5	85	2	40	17	165	34	2.80	0.80	8-9	0.0	0.0									33	SW	8	50	5.6	13	3	15	12	0			0	0	0	0	
NOV	55.8	39.2	47.5	72	30	15	24	517	0	2.21	0.71	9	0.0	0.0									33	S	26	42	6.9	7	5	18	8	0			0	2	6	0	
DEC	50.4	35.0	42.7	71	3	21	26	685	0	3.70	1.76	21-22	0.2	0.2	31								37	SW	3	43	6.5	9	5	17	10	0			0	0	13	0	
YEAR	66.8	50.5	58.7	100	JUL. 2	-3	JAN. 21	4088	1901	49.98	3.86	AUG. 4-5	18.5	9.8	MAR. 16-17								42	SW	APR. 20	56	5.9	112	97	156	118	6			39	16	70	1	

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal heating degree days (Base 65°)	Precipitation												Relative ¢ humidity				Wind &					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days											Average daily solar radiation - langleys
	Normal			Extremes												Snow, Ice pellets					Hour 00	Hour 06	Hour 12	Hour 18			Fastest mile					Sunrise to sunset					%	%	Temperatures				
																					(Local time)																		Max.		Min.		
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year					Mean speed ¢	Prevailing direction #	Speed	Direction #	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog	‡ 90° and above	32° and below	32° and below	0° and below	
(a)	(b)	(b)	(b)	28		28		(b)	(b)	28		28		28		28	28		28			22	22		22	22	28	28		28	28	28	28	28	28	28	22	22	28	28	28	28	
J	44.6	30.2	37.4	75	1950	-5	1963	856	4.46	14.95	1950	0.33	1943	6.09	1949	3.0	11.3	1951	10.5	1969		80	67		9.8	SW	43	SW	1965	46	6.6	8	6	17	10	1	2	1	0	5	20	*	
F	48.5	32.9	40.7	76	1962	-5	1951	680	3.67	8.88	1950	0.55	1947	4.79	1950	2.3	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	52	6.4	8	6	14	9	1	2	1	0	3	15	*	
M	57.0	39.4	48.2	82	1963+	6	1960	539	4.79	12.67	1964	1.12	1966	6.58	1964	2.5	20.3	1960	9.8	1970		78	59		10.6	SW	60	NW	1964	57	6.2	9	7	15	12	1	4	*	0	1	8	0	
A	68.9	49.9	59.4	89	1965	30	1944	195	4.07	9.45	1966	0.95	1949	3.79	1944	T	0.2	1962	0.2	1962		77	54		10.2	SW	59	SW	1957	62	6.2	7	9	14	12	0	6	*	0	0	*	0	
M	78.5	59.4	69.0	98	1953	39	1966+	47	4.39	11.15	1946	1.97	1948	6.16	1967	0.0	0.0		0.0			82	57		8.2	SW	49	SW	1961	67	6.1	8	10	13	11	0	7	*	3	0	0	0	
J	87.5	68.2	77.9	104	1954+	51	1956	0	4.13	10.24	1951	0.76	1952	5.91	1961	0.0	0.0		0.0			83	57		7.4	SW	50	NE	1953	73	5.7	8	11	11	9	0	9	*	12	0	0	0	
J	90.3	71.8	81.1	104	1954+	54	1947	0	3.19	8.19	1955	0.84	1945	2.79	1952	0.0	0.0		0.0			84	59		6.5	SW	45	SW	1952	75	5.6	8	13	10	9	0	8	*	17	0	0	0	
A	89.2	70.6	79.9	103	1964+	53	1965+	0	3.10	8.13	1952	0.75	1969	7.56	1952	0.0	0.0		0.0			87	59		6.2	NE	44	NW	1954	78	5.0	11	11	9	8	0	6	*	15	0	0	0	
S	82.4	62.5	72.5	103	1954	42	1967+	36	3.01	9.39	1965	0.47	1953	6.23	1965	0.0	0.0		0.0			87	57		7.0	NE	36	NW	1970	71	4.9	12	9	9	8	0	4	1	4	0	0	0	
O	71.9	51.9	61.9	92	1963+	29	1952	164	2.88	6.55	1949	T	1964	2.96	1967	0.0	T	1949	T	1949		85	53		7.3	S	33	SW	1970+	71	4.5	15	7	9	7	0	3	1	*	0	*	0	
N	56.3	39.5	47.9	82	1955	5	1950	513	3.87	13.05	1957	0.70	1954	4.33	1957	0.5	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	54	5.9	9	8	13	9	*	2	1	0	*	7	0	
D	46.4	32.6	39.5	73	1951	0	1962	791	3.67	7.99	1951	0.66	1955	2.64	1967	1.7	10.5	1969	6.9	1969		79	66		9.3	S	43	S	1957+	47	6.5	9	6	16	10	1	1	1	0	3	17	*	
YR	68.5	50.7	59.6	104	JUL. 1954+	-5	JAN. 1963+	3821	45.23	14.95	JAN. 1950	T	OCT. 1964	7.56	AUG. 1952	10.0	20.3	MAR. 1960	10.5	JAN. 1969		82	59		8.5	SW	60	NW	MAR. 1964	65	5.8	112	103	150	114	3	53	7	50	12	67	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917; fastest mile of wind 62 from North in May 1937.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
Below zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1964.
‡ ≥ 70° at Alaskan stations.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "Ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

# To 8 compass points only.

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LIBRARY

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	39.0	43.8	43.4	58.8	64.0	79.2	80.9	76.2	77.0	65.0	56.6	47.8	61.0
1932	44.1	48.6	42.7	60.3	68.4	78.2	81.5	79.0	70.2	58.2	43.8	37.2	59.4
1933	45.8	37.8	47.6	58.5	70.3	79.6	79.4	76.8	77.1	59.6	48.4	44.5	60.4
1934	40.9	34.5	44.4	59.4	70.9	80.4	83.5	79.0	68.6	63.7	52.6	37.6	59.6
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
1970	29.4	36.2	43.9	62.1	71.6	75.3	79.5	79.6	75.6	60.5	47.5	42.7	58.7
RECORD													
MEAN	36.1	39.0	47.9	59.0	68.1	76.4	79.8	78.3	71.8	60.7	48.0	38.9	58.7
MAX	43.7	46.8	56.3	67.7	76.9	85.1	88.4	86.9	80.8	70.2	56.3	46.1	67.1
MIN	28.5	31.2	39.4	50.3	59.3	67.6	71.2	69.6	62.7	51.2	39.6	31.7	50.2

TOTAL DEGREE DAYS

CAIRO, ILLINOIS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1931-32	0	0	15	108	284	530	647	478	692	188	38	0	2980
1932-33	0	0	20	224	638	864	592	761	545	216	26	2	3888
1933-34	0	0	0	192	500	636	746	854	638	203	16	0	3785
1934-35	0	0	35	98	374	846	820	652	322	290	88	6	3531
1935-36	0	2	24	168	537	995	1060	984	379	342	19	0	4510
1936-37	0	0	12	194	620	703	800	772	628	236	38	0	4003
1937-38	0	0	38	268	588	903	858	480	280	182	47	0	3644
1938-39	0	0	27	103	458	790	676	732	426	291	43	0	3546
1939-40	0	0	12	153	550	722	1336	817	572	290	86	0	4538
1940-41	0	0	45	86	534	671	816	830	682	134	25	0	3823
#1941-42	0	0	7	97	510	686	957	792	454	170	60	5	3738
1942-43	0	0	74	143	411	853	860	627	656	235	21	0	3880
1943-44	0	0	37	205	569	896	802	622	546	226	58	1	3962
1944-45	0	0	0	165	470	967	971	701	269	141	125	19	3828
1945-46	0	0	16	190	471	983	819	577	196	114	51	5	3422
1946-47	0	2	10	99	394	636	758	916	723	186	61	0	3785
1947-48	0	0	43	48	584	755	1109	762	497	123	24	0	3945
1948-49	0	0	15	207	439	674	742	618	518	218	10	0	3441
1949-50	0	0	53	135	466	663	628	629	614	277	32	0	3497
1950-51	0	0	21	59	664	954	837	685	549	311	30	3	4113
1951-52	0	0	24	155	682	743	710	576	520	226	46	0	3682
1952-53	0	0	4	310	484	738	735	593	382	298	48	0	3592
1953-54	0	0	4	127	478	791	865	495	531	100	103	2	3496
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892	1096	800	647	142	25	0	4380
1970-71	0	0	11	165	517	685							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	1.77	3.38	4.20	4.00	2.99	3.13	1.97	7.14	1.19	2.66	5.35	4.15	41.93
1932	7.02	4.43	4.19	3.28	0.50	1.78	2.58	3.79	5.67	3.56	2.65	6.88	46.33
1933	3.78	3.77	6.39	3.68	9.02	0.91	7.49	4.41	7.81	2.75	1.23	2.60	53.84
1934	1.28	2.01	3.86	1.69	1.59	0.92	3.41	2.70	6.02	2.68	8.45	3.30	37.91
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
1970	0.72	2.80	7.12	6.82	4.60	5.79	0.91	6.75	5.76	2.80	2.21	3.70	49.98
RECORD													
MEAN	4.04	3.36	4.30	3.96	4.11	4.05	3.13	3.11	3.06	2.72	3.69	3.51	43.04

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1931-32	0.0	0.0	0.0	0.0	0.0	0.0	0.9	T	2.0	0.0	0.0	0.0	2.9
1932-33	0.0	0.0	0.0	0.0	1.6	2.0	T	3.8	T	0.0	0.0	0.0	7.4
1933-34	0.0	0.0	0.0	0.0	0.0	T	T	1.3	1.4	0.0	0.0	0.0	2.7
1934-35	0.0	0.0	0.0	0.0	0.0	1.5	0.1	T	0.0	0.0	0.0	0.0	1.6
1935-36	0.0	0.0	0.0	0.0	T	4.7	1.4	8.0	T	T	0.0	0.0	14.1
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5	3.8	2.7	11.8	0.0	0.0	0.0	31.3
1970-71	0.0	0.0	0.0	0.0	0.0	0.2							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1872.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3		3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof.

Requests for additional information should be directed to the National Weather Service Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA
1969
CAIRO, ILLINOIS

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NARRATIVE CLIMATOLOGICAL SUMMARY

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 45.23 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period. The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

METEOROLOGICAL DATA FOR THE CURRENT YEAR

Station: CAIRO, ILLINOIS POST OFFICE BUILDING Standard time used: CENTRAL Latitude: 37° 00' N Longitude: 89° 10' W Elevation (ground): 314 feet Year: 1969

Month	Temperature – Averages – Daily maximum	Temperature – Averages – Daily minimum	Temperature – Averages – Monthly	Temperature – Extremes – Highest	Temperature – Extremes – Date	Temperature – Extremes – Lowest	Temperature – Extremes – Date	Degree days (Base 65°) – Heating	Degree days (Base 65°) – Cooling	Precipitation – Total	Precipitation – Greatest in 24 hrs.	Precipitation – Date	Precipitation – Snow, Ice pellets – Total	Precipitation – Snow, Ice pellets – Greatest in 24 hrs.	Precipitation – Snow, Ice pellets – Date	Relative humidity – Hour 00 (Local time)	Relative humidity – Hour 06 (Local time)	Relative humidity – Hour 12 (Local time)	Relative humidity – Hour 18 (Local time)	Wind & – Resultant – Direction	Wind & – Resultant – Speed	Wind & – Average speed	Wind & – Fastest mile – Speed	Wind & – Fastest mile – Direction #	Wind & – Fastest mile – Date	Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days – Sunrise to sunset – Clear	Number of days – Sunrise to sunset – Partly cloudy	Number of days – Sunrise to sunset – Cloudy	Number of days – Precipitation .01 inch or more	Number of days – Snow, Ice pellets 1.0 inch or more	Number of days – Thunderstorms	Number of days – Heavy fog	Number of days – Temperatures – Maximum – ‡ 90° and above	Number of days – Temperatures – Maximum – 32° and below	Number of days – Temperatures – Minimum – 32° and below	Number of days – Temperatures – Minimum – 0° and below	Average daily solar radiation - langleys
JAN	42.8	28.5	35.7	62	23	8	4	903	0	9.91	4.73	29-30	10.5	10.5	26								35	S	23	33	7.5	5	6	20	16	1			0	0	20	0	
FEB	45.2	34.2	39.7	54	21+	26	12	700	0	1.75	0.57	28	3.5	3.5	15-16								26	W	8	33	7.4	6	3	19	9	1			0	0	12	0	
MAR	51.3	33.1	42.2	78	19	22	11+	700	0	2.38	1.73	23-24	T	T	26 +								34	E	23	66	5.3	13	6	12	7	0			0	0	19	0	
APR	68.7	50.2	59.5	82	16	41	29+	177	16	4.29	1.56	9	0.0	0.0									36	SW	1	62	5.5	13	4	13	13	0			0	0	0	0	
MAY	79.4	59.9	69.7	92	29	44	11	27	177	2.49	1.32	17-18	0.0	0.0									35	NW	10	67	4.9	12	11	8	9	0			2	0	0	0	
JUN	87.3	67.1	77.2	98	30	53	3	0	372	3.44	1.14	13-14	0.0	0.0									36	N	28	67	5.3	8	12	10	11	0			14	0	0	0	
JUL	91.3	73.6	82.5	97	13+	67	29	0	546	2.10	0.71	24	0.0	0.0									35	NW	24	72	4.8	10	17	4	8	0			20	0	0	0	
AUG	87.8	68.7	78.3	98	9	64	4	0	419	0.75	0.32	18-19	0.0	0.0									33	SW	9	77	3.6	19	7	5	6	0			14	0	0	0	
SEP	80.8	62.6	71.7	90	6	53	29+	2	213	2.50	2.03	3-4	0.0	0.0									32	N	6	68	4.2	14	9	7	8	0			1	0	0	0	
OCT	69.8	51.5	60.7	89	3	36	28+	209	80	4.00	1.61	10-11	0.0	0.0									25	S	11+	54	5.4	12	6	13	7	0			0	0	0	0	
NOV	54.4	37.2	45.8	72	7	23	14	567	0	3.74	1.90	18	2.5	2.5	18-19								24	S	17+	52	6.1	8	10	12	8	1			0	1	10	0	
DEC	42.1	29.8	36.0	58	13	19	26	892	0	4.71	1.27	28-29	10.5	6.9	24-25								24	N	29+	41	6.3	9	7	15	14	4			0	4	22	0	
YEAR	66.7	49.7	58.2	98	AUG. 9+	8	JAN. 4	4177	1823	42.06	4.73	JAN. 29-30	27.0	10.5	JAN. 26								36	N	JUN. 28+	60	5.5	129	98	138	116	7			51	5	83	0	

NORMALS, MEANS, AND EXTREMES

Month	Temperature – Normal – Daily maximum	Temperature – Normal – Daily minimum	Temperature – Normal – Monthly	Temperature – Extremes – Record highest	Temperature – Extremes – Year	Temperature – Extremes – Record lowest	Temperature – Extremes – Year	Normal heating degree days (Base 65°)	Precipitation – Normal total	Precipitation – Maximum monthly	Precipitation – Year	Precipitation – Minimum monthly	Precipitation – Year	Precipitation – Maximum in 24 hrs.	Precipitation – Year	Precipitation – Snow, Ice pellets – Mean total	Precipitation – Snow, Ice pellets – Maximum monthly	Precipitation – Snow, Ice pellets – Year	Precipitation – Snow, Ice pellets – Maximum in 24 hrs.	Precipitation – Snow, Ice pellets – Year	Relative ¢ humidity – Hour 00 (Local time)	Relative ¢ humidity – Hour 06 (Local time)	Relative ¢ humidity – Hour 12 (Local time)	Relative ¢ humidity – Hour 18 (Local time)	Wind & – ¢ Mean speed	Wind & – # Prevailing direction	Wind & – Fastest mile – Speed	Wind & – Fastest mile – Direction #	Wind & – Fastest mile – Year	Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days – Sunrise to sunset – Clear	Mean number of days – Sunrise to sunset – Partly cloudy	Mean number of days – Sunrise to sunset – Cloudy	Mean number of days – Precipitation .01 inch or more	Mean number of days – Snow, Ice pellets 1.0 inch or more	Mean number of days – % Thunderstorms	Mean number of days – % Heavy fog	Mean number of days – Temperatures – Max. – ‡ 90° and above	Mean number of days – Temperatures – Max. – 32° and below	Mean number of days – Temperatures – Min. – 32° and below	Mean number of days – Temperatures – Min. – 0° and below	Average daily solar radiation - langleys
(a)	(b)	(b)	(b)	27		27		(b)	(b)	27		27		27		27	27		27			22	22		22	22	27	27		27	27	27	27	27	27	27	22	22	27	27	27	27	
J	44.6	30.2	37.4	75	1950	-5	1963	856	4.46	14.95	1950	0.33	1943	6.09	1949	3.0	11.3	1951	10.5	1969		80	67		9.8	SW	43	SW	1965	46	6.7	8	6	17	10	1	2	1	0	5	20	*	
F	48.5	32.9	40.7	76	1962	-5	1951	680	3.67	8.88	1950	0.55	1947	4.79	1950	2.3	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	53	6.4	8	6	14	9	1	2	1	0	3	14	*	
M	57.0	39.4	48.2	82	1963+	6	1960	539	4.79	12.67	1964	1.12	1966	6.58	1964	2.1	20.3	1960	8.0	1967		78	59		10.6	SW	60	NW	1964	58	6.2	9	7	15	12	1	4	*	0	1	8	0	
A	68.9	49.9	59.4	89	1965	30	1944	195	4.07	9.45	1966	0.95	1949	3.79	1944	T	0.2	1962	0.2	1962		77	54		10.2	SW	59	SW	1957	63	6.2	7	9	14	12	0	6	*	0	0	*	0	
M	78.5	59.4	69.0	98	1953	39	1966+	47	4.39	11.15	1946	1.97	1948	6.16	1967	0.0	0.0		0.0			82	57		8.2	SW	49	SW	1961	67	6.2	8	9	14	11	0	7	*	3	0	0	0	
J	87.5	68.2	77.9	104	1954+	51	1956	0	4.13	10.24	1951	0.76	1952	5.91	1961	0.0	0.0		0.0			83	57		7.4	SW	50	NE	1953	73	5.7	8	11	11	9	0	9	*	12	0	0	0	
J	90.3	71.8	81.1	104	1954+	54	1947	0	3.19	8.19	1955	0.84	1945	2.79	1952	0.0	0.0		0.0			84	59		6.5	SW	45	SW	1952	76	5.6	8	13	10	9	0	8	*	17	0	0	0	
A	89.2	70.6	79.9	103	1964+	53	1965+	0	3.10	8.13	1952	0.75	1969	7.56	1952	0.0	0.0		0.0			87	59		6.2	NE	44	NW	1954	78	5.0	11	12	8	8	0	6	*	15	0	0	0	
S	82.4	62.5	72.5	103	1954	42	1967+	36	3.01	9.39	1965	0.47	1953	6.23	1965	0.0	0.0		0.0			87	57		7.0	NE	35	W	1952	71	4.9	12	9	9	8	0	4	1	4	0	0	0	
O	71.9	51.9	61.9	92	1963+	29	1952	164	2.88	6.55	1949	T	1964	2.96	1967	0.0	T	1949	T	1949		85	53		7.3	S	33	SW	1968+	72	4.4	15	7	9	7	0	3	1	*	0	*	0	
N	56.3	39.5	47.9	82	1955	5	1950	513	3.87	13.05	1957	0.70	1954	4.33	1957	0.5	5.2	1958	5.2	1958		80	58		9.1	S	53	SW	1968	55	5.8	9	8	13	9	*	2	1	0	*	7	0	
D	46.4	32.6	39.5	73	1951	0	1962	791	3.67	7.99	1951	0.66	1955	2.64	1967	1.8	10.5	1969	6.9	1969		79	66		9.3	S	43	S	1957+	47	6.5	8	7	16	10	1	1	1	0	3	17	*	
YR	68.5	50.7	59.6	104	JUL. 1954+	-5	JAN. 1963+	3821	45.23	14.95	JAN. 1950	T	OCT. 1964	7.56	AUG. 1952	9.7	20.3	MAR. 1960	10.5	JAN. 1969		82	59		8.5	SW	60	NW	MAR. 1964	65	5.8	111	104	150	114	3	53	7	51	12	67	*	

Means and extremes above are from existing and comparable exposures. Annual extremes have been exceeded at other sites in the locality as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917; fastest mile of wind 62 from North in May 1937.

(a) Length of record, years, based on January data. Other months may be for more or fewer years if there have been breaks in the record.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.
Below zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1964.
‡ ≥ 70° at Alaskan stations.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Heating degree day totals are the sums of negative departures of average daily temperatures from 65° F. Cooling degree day totals are the sums of positive departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. The term "Ice pellets" includes solid grains of ice (sleet) and particles consisting of snow pellets encased in a thin layer of ice. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3, partly cloudy days 4-7, and cloudy days 8-10 tenths.

Solar radiation data are the averages of direct and diffuse radiation on a horizontal surface. The langley denotes one gram calorie per square centimeter.

& Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data may be incomplete.

¢ Through 1964.

# To 8 compass points only.

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AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	39.0	43.8	43.4	58.8	64.0	79.2	80.9	76.2	77.0	65.0	56.6	47.8	61.0
1932	44.1	48.6	42.7	60.3	68.4	78.2	81.5	79.0	70.2	58.2	43.8	37.2	59.4
1933	45.8	37.8	47.6	58.5	70.3	79.6	79.4	76.8	77.1	59.6	48.4	44.5	60.4
1934	40.9	34.5	44.4	59.4	70.9	80.4	83.5	79.0	68.6	63.7	52.6	37.6	59.6
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
#1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
1969	35.7	39.7	42.2	59.5	69.7	77.2	82.5	78.3	71.7	60.7	45.8	36.0	58.2
RECORD													
MEAN	36.2	39.1	47.9	59.0	68.1	76.4	79.8	78.2	71.7	60.7	48.0	38.9	58.7
MAX	43.7	46.9	56.4	67.7	76.9	85.1	68.4	86.9	80.8	70.2	56.4	46.1	67.1
MIN	28.6	31.2	39.4	50.3	59.2	67.6	71.2	69.5	62.6	51.2	39.6	31.7	50.2

TOTAL DEGREE DAYS

CAIRO, ILLINOIS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0	0	3	266	496	868	804	595	671	222	125	2	4052
1931-32	0	0	15	108	284	530	647	478	692	188	38	0	2980
1932-33	0	0	20	224	638	864	592	761	545	216	26	2	3888
1933-34	0	0	0	192	500	636	746	854	638	203	16	0	3785
1934-35	0	0	35	98	374	846	820	652	322	290	88	6	3531
1935-36	0	2	24	168	537	995	1060	984	379	342	19	0	4510
1936-37	0	0	12	194	620	703	800	772	628	236	38	0	4003
1937-38	0	0	38	268	588	903	858	480	280	182	47	0	3644
1938-39	0	0	27	103	458	790	676	732	426	291	43	0	3546
1939-40	0	0	12	153	550	722	1336	817	572	290	86	0	4538
1940-41	0	0	45	86	534	671	816	830	682	134	25	0	3823
#1941-42	0	0	7	97	510	686	957	792	454	170	60	5	3738
1942-43	0	0	74	143	411	853	860	627	656	235	21	0	3880
1943-44	0	0	37	205	569	896	802	622	546	226	58	1	3962
1944-45	0	0	0	165	470	967	971	701	269	141	125	19	3828
1945-46	0	0	16	190	471	983	819	577	196	114	51	5	3422
1946-47	0	2	10	99	394	636	758	916	723	186	61	0	3785
1947-48	0	0	43	48	584	755	1109	762	497	123	24	0	3945
1948-49	0	0	15	207	439	674	742	618	518	218	10	0	3441
1949-50	0	0	53	135	466	663	628	629	614	277	32	0	3497
1950-51	0	0	21	59	664	954	837	685	549	311	30	3	4113
1951-52	0	0	24	155	682	743	710	576	520	226	46	0	3682
1952-53	0	0	4	310	484	738	735	593	382	298	48	0	3592
1953-54	0	0	4	127	478	791	865	495	531	100	103	2	3496
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848	903	700	700	177	27	0	4049
1969-70	0	0	2	209	567	892							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	1.77	3.38	4.20	4.00	2.99	3.13	1.97	7.14	1.19	2.66	5.35	4.15	41.93
1932	7.02	4.43	4.19	3.28	0.50	1.78	2.58	3.79	5.67	3.56	2.65	6.88	46.33
1933	3.78	3.77	6.39	3.68	9.02	0.91	7.49	4.41	7.81	2.75	1.23	2.60	53.84
1934	1.28	2.01	3.86	1.69	1.59	0.92	3.41	2.70	6.02	2.68	8.45	3.30	37.91
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
#1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
1969	9.91	1.75	2.38	4.29	2.49	3.44	2.10	0.75	2.50	4.00	3.74	4.71	42.06
RECORD													
MEAN	4.07	3.37	4.27	3.94	4.11	4.03	3.15	3.07	3.03	2.72	3.71	3.51	42.98

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0.0	0.0	0.0	T	T	3.5	7.3	0.0	0.5	0.0	0.0	0.0	11.3
1931-32	0.0	0.0	0.0	0.0	0.0	0.0	0.9	T	2.0	0.0	0.0	0.0	2.9
1932-33	0.0	0.0	0.0	0.0	1.6	2.0	T	3.8	T	0.0	0.0	0.0	7.4
1933-34	0.0	0.0	0.0	0.0	0.0	T	T	1.3	1.4	0.0	0.0	0.0	2.7
1934-35	0.0	0.0	0.0	0.0	0.0	1.5	0.1	T	0.0	0.0	0.0	0.0	1.6
1935-36	0.0	0.0	0.0	0.0	T	4.7	1.4	8.0	T	T	0.0	0.0	14.1
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
#1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1	10.5	3.5	T	0.0	0.0	0.0	14.1
1969-70	0.0	0.0	0.0	0.0	2.5	10.5							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1872.

# Indicates a break in the data sequence during the year, or season, due to a station move or relocation of instruments. See Station Location table.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3		3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof.

Requests for additional information should be directed to the Weather Bureau Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA, 1968

CAIRO, ILLINOIS

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NARRATIVE CLIMATOLOGICAL SUMMARY

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown. Soy beans, peaches, and apples are also grown extensively.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 45.23 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period. The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-60 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage, on the Ohio River 1.7 miles above the mouth, has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

U.S. DEPARTMENT OF COMMERCE
MAURICE H. STANS, Secretary
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ROBERT M. WHITE, Administrator
ENVIRONMENTAL DATA SERVICE

LATITUDE 37° 00' N
LONGITUDE 89° 10' W
ELEVATION (ground) 314 Feet

METEOROLOGICAL DATA FOR THE CURRENT YEAR

CAIRO, ILLINOIS
POST OFFICE BUILDING
1968

Month	Temperature							Degree days	Precipitation						Relative humidity				Wind &						Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days										
	Averages			Extremes								Snow, Sleet							Resultant		Average speed	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures			
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date		Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date					Direction	Speed		Speed	Direction #	Date			Clear	Partly cloudy	Cloudy					Maximum 90° and above	Maximum 32° and below	Minimum 32° and below	Minimum 0° and below
JAN	40.5	26.2	33.4	60	30+	2	7	974	1.55	0.58	29-30	4.6	4.4	12-13								27	N	23	37	6.7	9	5	17	12	2			0	15	24	0
FEB	40.4	26.6	33.5	62	1	14	22+	906	2.33	2.27	1	0.4	0.4	15								29	SW	1	55	6.3	8	8	13	3	0			0	6	23	0
MAR	57.5	39.3	48.4	79	29	20	1	514	7.04	2.38	19-20	1.8	0.7	22 +								46	NE	11	61	5.7	13	3	15	13	0			0	0	11	0
APR	69.0	51.0	60.0	84	30	37	5	159	5.03	1.85	3-4	0.0	0.0									32	SE	22+	66	5.8	10	8	12	14	0			0	0	0	0
MAY	75.5	58.3	66.9	88	2	46	6	49	6.40	2.94	10-11	0.0	0.0									29	SW	15	59	6.4	10	5	16	12	0			0	0	0	0
JUN	87.8	69.4	78.6	94	30+	57	27	0	2.16	0.85	1-2	0.0	0.0									35	SW	25	77	4.9	14	7	9	5	0			11	0	0	0
JUL	88.8	71.7	80.3	96	27	60	4	0	3.07	1.33	18	0.0	0.0									29	NW	18	72	6.3	6	15	10	10	0			17	0	0	0
AUG	87.4	71.5	79.5	95	23	57	28	0	2.33	1.59	31-1	0.0	0.0									20	SW	15	76	4.7	17	4	10	7	0			16	0	0	0
SEP	80.0	61.6	70.8	87	22	52	26	3	5.00	2.03	15-16	0.0	0.0									30	SE	8	74	4.5	13	10	7	9	0			0	0	0	0
OCT	70.3	50.9	60.6	84	15+	34	29	197	1.35	0.49	5-6	0.0	0.0									33	SW	2	66	4.7	12	10	9	7	0			0	0	0	0
NOV	54.9	42.0	48.5	76	1	27	20	494	5.01	2.72	27-28	T	T	19 +								53	SW	28	27	7.8	4	6	20	12	0			0	0	4	0
DEC	44.3	30.5	37.4	58	18	15	15	848	6.79	2.41	27	0.1	0.1	28								36	S	19	47	6.1	8	10	13	11	0			0	3	19	0
YEAR	66.4	49.9	58.2	96	JUL. 27	2	JAN. 7	4144	48.06	2.94	MAY 10-11	6.9	4.4	JAN. 12-13								53	SW	NOV. 28	61	5.8	124	91	151	115	2			44	24	81	0

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal degree days	Precipitation												Relative humidity ¢			Wind					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days										
	Normal			Extremes												Snow, Sleet										Fastest mile					Sunrise to sunset							Temperatures			
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year	Standard time used: CENTRAL	6 AM	Noon	Mean hourly speed ¢	Prevailing direction ¢ #	Speed	Direction #	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms %	Heavy fog %	Max. 90° and above	Max. 32° and below	Min. 32° and below	Min. 0° and below
(a)	(b)	(b)	(b)	26		26		(b)	(b)	26		26		26		26	26		26			22	22	22	22	26	26		26	26	26	26	26	26	26	22	22	26	26	26	26
J	44.6	30.2	37.4	75	1950	- 5	1963	856	4.46	14.95	1950	0.33	1943	6.09	1949	2.7	11.3	1951	6.3	1951		80	67	9.8	SW	43	SW	1965	46	6.6	8	6	17	10	1	2	1	0	5	20	*
F	48.5	32.9	40.7	76	1962	- 5	1951	680	3.67	8.88	1950	0.55	1947	4.79	1950	2.3	8.9	1960	5.8	1944		79	64	9.8	NE	56	SW	1956	54	6.3	8	6	14	9	1	2	1	0	3	15	*
M	57.0	39.4	48.2	82	1963+	6	1960	539	4.79	12.67	1964	1.12	1966	6.58	1964	2.2	20.3	1960	8.0	1967		78	59	10.6	SW	60	NW	1964	58	6.2	9	7	15	12	1	4	*	0	1	8	0
A	68.9	49.9	59.4	89	1965	30	1944	195	4.07	9.45	1966	0.95	1949	3.79	1944	T	0.2	1962	0.2	1962		77	54	10.2	SW	59	SW	1957	63	6.2	7	9	14	12	0	6	*	0	0	*	0
M	78.5	59.4	69.0	98	1953	39	1966+	47	4.39	11.15	1946	1.97	1948	6.16	1967	0.0	0.0		0.0			82	57	8.2	SW	49	SW	1961	67	6.2	8	9	14	11	0	7	*	3	0	0	0
J	87.5	68.2	77.9	104	1954+	51	1956	0	4.13	10.24	1951	0.76	1952	5.91	1961	0.0	0.0		0.0			83	57	7.4	SW	50	NE	1953	73	5.7	8	11	11	9	0	9	*	12	0	0	0
J	90.3	71.8	81.1	104	1954+	54	1947	0	3.19	8.19	1955	0.84	1945	2.79	1952	0.0	0.0		0.0			84	59	6.5	SW	45	SW	1952	76	5.7	8	13	10	9	0	8	*	17	0	0	0
A	89.2	70.6	79.9	103	1964+	53	1965+	0	3.10	8.13	1952	0.81	1955	7.56	1952	0.0	0.0		0.0			87	59	6.2	NE	44	NW	1954	78	5.0	11	11	9	8	0	6	*	15	0	0	0
S	82.4	62.5	72.5	103	1954	42	1967+	36	3.01	9.39	1965	0.47	1953	6.23	1965	0.0	0.0		0.0			87	57	7.0	NE	35	W	1952	71	4.9	12	8	10	8	0	4	1	4	0	0	0
O	71.9	51.9	61.9	92	1963+	29	1952	164	2.88	6.55	1949	T	1964	2.96	1967	0.0	T	1949	T	1949		85	53	7.3	S	33	SW	1968+	73	4.4	15	7	9	7	0	3	1	*	0	*	0
N	56.3	39.5	47.9	82	1955	5	1950	513	3.87	13.05	1957	0.70	1954	4.33	1957	0.4	5.2	1958	5.2	1958		80	58	9.1	S	53	SW	1968	55	5.8	9	8	13	9	*	2	1	0	*	6	0
D	46.4	32.6	39.5	73	1951	0	1962	791	3.67	7.99	1951	0.66	1955	2.64	1967	1.4	7.5	1950	6.6	1950		79	66	9.3	S	43	S	1957+	48	6.5	8	7	16	9	*	1	1	0	3	17	*
YR	68.5	50.7	59.6	104	JUL. 1954+	- 5	JAN. 1963+	3821	45.23	14.95	JAN. 1950	T	OCT. 1964	7.56	AUG. 1952	9.0	20.3	MAR. 1960	8.0	MAR. 1967		82	59	8.5	SW	60	NW	MAR. 1964	65	5.8	111	102	152	114	3	53	7	51	12	66	*

Means and extremes in the above table are from the existing or comparable location(s). Annual extremes have been exceeded at other locations as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917; fastest mile of wind 62 from North in May 1937.

(a) Length of record, years.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months or years.
T Trace, an amount too small to measure.
Below-zero temperatures are preceded by a minus sign.
# To 8 compass points only.
¢ Through 1964.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Degree day totals are the sums of the negative departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3; partly cloudy days 4-7; and cloudy days 8-10 tenths.

Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data therefore may be incomplete.

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1968

CAIRO, ILLINOIS
POST OFFICE BUILDING

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	39.0	43.8	43.4	58.8	64.0	79.2	80.9	76.2	77.0	65.0	56.6	47.8	61.0
1932	44.1	48.6	42.7	60.3	68.4	78.2	81.5	79.0	70.2	58.2	43.8	37.2	59.4
1933	45.8	37.8	47.6	58.5	70.3	79.6	79.4	76.8	77.1	59.6	48.4	44.5	60.4
1934	40.9	34.5	44.4	59.4	70.9	80.4	83.5	79.0	68.6	63.7	52.6	37.6	59.6
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
1968	33.4	33.5	48.4	60.0	66.9	78.6	80.3	79.5	70.8	60.6	48.5	37.4	58.2
RECORD MEAN	36.2	39.0	48.0	59.0	68.1	76.4	79.8	78.3	71.7	60.7	48.1	38.9	58.7
MAX	43.7	46.9	56.4	67.7	76.9	85.1	88.4	86.9	80.8	70.2	56.4	46.1	67.1
MIN	28.6	31.1	39.5	50.3	59.2	67.6	71.2	69.6	62.6	51.2	39.7	31.7	50.2

TOTAL DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0	0	3	266	496	868	804	595	671	222	125	2	4052
1931-32	0	0	15	108	284	530	647	478	692	188	38	0	2980
1932-33	0	0	20	224	638	864	592	761	545	216	26	2	3888
1933-34	0	0	0	192	500	636	746	854	638	203	16	0	3785
1934-35	0	0	35	98	374	846	820	652	322	290	88	6	3531
1935-36	0	2	24	168	537	995	1060	984	379	342	19	0	4510
1936-37	0	0	12	194	620	703	800	772	628	236	38	0	4003
1937-38	0	0	38	268	588	903	858	480	280	182	47	0	3644
1938-39	0	0	27	103	458	790	676	732	426	291	43	0	3546
1939-40	0	0	12	153	550	722	1336	817	572	290	86	0	4538
1940-41	0	0	45	86	534	671	816	830	682	134	25	0	3823
1941-42	0	0	7	97	510	686	957	792	454	170	60	5	3738
1942-43	0	0	74	143	411	853	860	627	656	235	21	0	3880
1943-44	0	0	37	205	569	896	802	622	546	226	58	1	3962
1944-45	0	0	0	165	470	967	971	701	269	141	125	19	3828
1945-46	0	0	16	190	471	983	819	577	196	114	51	5	3422
1946-47	0	2	10	99	394	636	758	916	723	186	61	0	3785
1947-48	0	0	43	48	584	755	1109	762	497	123	24	0	3945
1948-49	0	0	15	207	439	674	742	618	518	218	10	0	3441
1949-50	0	0	53	135	466	663	628	629	614	277	32	0	3497
1950-51	0	0	21	59	664	954	837	685	549	311	30	3	4113
1951-52	0	0	24	155	682	743	710	576	520	226	46	0	3682
1952-53	0	0	4	310	484	738	735	593	382	298	48	0	3592
1953-54	0	0	4	127	478	791	865	495	531	100	103	2	3496
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754	974	906	514	159	49	0	4134
1968-69	0	0	3	197	494	848							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	1.77	3.38	4.20	4.00	2.99	3.13	1.97	7.14	1.19	2.66	5.35	4.15	41.93
1932	7.02	4.43	4.19	3.28	0.50	1.78	2.58	3.79	5.67	3.56	2.65	6.88	46.33
1933	3.78	3.77	6.39	3.68	9.02	0.91	7.49	4.41	7.81	2.75	1.23	2.60	53.84
1934	1.28	2.01	3.86	1.69	1.59	0.92	3.41	2.70	6.02	2.68	8.45	3.30	37.91
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
1968	1.55	2.33	7.04	5.03	6.40	2.16	3.07	2.33	5.00	1.35	5.01	6.79	48.06
RECORD MEAN	4.01	3.38	4.29	3.93	4.12	4.04	3.16	3.09	3.04	2.70	3.71	3.50	42.97

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0.0	0.0	0.0	T	T	3.5	7.3	0.0	0.5	0.0	0.0	0.0	11.3
1931-32	0.0	0.0	0.0	0.0	0.0	0.0	0.9	T	2.0	0.0	0.0	0.0	2.9
1932-33	0.0	0.0	0.0	0.0	1.6	2.0	T	3.8	T	0.0	0.0	0.0	7.4
1933-34	0.0	0.0	0.0	0.0	0.0	T	T	1.3	1.4	0.0	0.0	0.0	2.7
1934-35	0.0	0.0	0.0	0.0	0.0	1.5	0.1	T	0.0	0.0	0.0	0.0	1.6
1935-36	0.0	0.0	0.0	0.0	T	4.7	1.4	8.0	T	T	0.0	0.0	14.1
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6	4.6	0.4	1.8	0.0	0.0	0.0	8.4
1968-69	0.0	0.0	0.0	0.0	T	0.1							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1872.

A horizontal line drawn on the above tables indicates a break in the data sequence due to a change in instrument exposure or a station move (see Station Location table).

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3		3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof.

Requests for additional information should be directed to the Weather Bureau Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA

ANNUAL SUMMARY WITH COMPARATIVE DATA, 1967

CAIRO, ILLINOIS

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AT URBANA-CHAMPAIGN

NARRATIVE CLIMATOLOGICAL SUMMARY

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 45.23 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period. The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-1960 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with a 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The City is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

U.S. DEPARTMENT OF COMMERCE
ALEXANDER B. TROWBRIDGE, Secretary
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ROBERT M. WHITE, Administrator
ENVIRONMENTAL DATA SERVICE

LATITUDE 37° 00' N
LONGITUDE 89° 10' W
ELEVATION (ground) 314 Feet

METEOROLOGICAL DATA FOR THE CURRENT YEAR

CAIRO, ILLINOIS
POST OFFICE BUILDING
1967

Month	Temperature Averages Daily maximum	Temperature Averages Daily minimum	Temperature Averages Monthly	Temperature Extremes Highest	Temperature Extremes Date	Temperature Extremes Lowest	Temperature Extremes Date	Degree days	Precipitation Total	Precipitation Greatest in 24 hrs.	Precipitation Date	Precipitation Snow, Sleet Total	Precipitation Snow, Sleet Greatest in 24 hrs.	Precipitation Snow, Sleet Date	Relative humidity				Wind & Resultant Direction	Wind & Resultant Speed	Wind & Average speed	Wind & Fastest mile Speed	Wind & Fastest mile Direction #	Wind & Fastest mile Date	Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days Sunrise to sunset Clear	Number of days Sunrise to sunset Partly cloudy	Number of days Sunrise to sunset Cloudy	Number of days Precipitation .01 inch or more	Number of days Snow, Sleet 1.0 inch or more	Number of days Thunderstorms	Number of days Heavy fog	Number of days Temperatures Maximum 90 and above	Number of days Temperatures Maximum 32 and below	Number of days Temperatures Minimum 32 and below	Number of days Temperatures Minimum 0 and below
JAN †	48.2	31.7	40.0	73	23	10	18	770	2.34	1.86	25-26	T	T	† 27 +								35	S	6	56	6.0	9	8	14	3	0			0	2	20	0
FEB	43.9	26.3	35.1	67	1	8	25	833	2.69	1.12	26-27	5.9	4.8	16								47	SW	15	57	5.8	9	7	12	7	2			0	5	23	0
MAR	62.8	44.5	53.7	81	30+	12	7	382	2.16	1.36	5-6	8.0	8.0	6								34	NE	17	58	6.2	6	12	13	8	1			0	0	8	0
APR	72.6	54.0	63.3	85	5	40	24	129	2.18	0.61	21-22	0.0	0.0									42	SW	13	62	6.1	9	6	15	11	0			0	0	0	0
MAY	75.2	57.5	66.4	91	26+	44	3	63	10.20	6.16	14-15	0.0	0.0									30	SW	11	60	5.7	11	7	13	13	0			3	0	0	0
JUN	85.3	68.6	77.0	95	14	56	3	4	3.48	1.57	21-22	0.0	0.0									42	NW	21	59	6.5	6	9	15	7	0			10	0	0	0
JUL	84.5	68.6	76.6	92	31+	57	14	0	5.17	2.78	10-11	0.0	0.0									41	N	10	65	6.8	5	13	13	9	0			7	0	0	0
AUG	82.5	65.1	73.8	90	8	55	31	2	4.84	2.28	8-9	0.0	0.0									34	SW	8	71	4.9	13	8	10	7	0			1	0	0	0
SEP	77.0	60.1	68.6	87	19	42	29	37	3.61	1.76	7-8	0.0	0.0									32	S	21	60	5.5	10	8	12	6	0			0	0	0	0
OCT	70.8	51.6	61.2	89	5	37	28	177	5.54	2.96	16-17	0.0	0.0									30	SW	15	59	5.1	13	6	12	9	0			0	0	0	0
NOV	53.1	39.0	46.1	70	12	28	5	562	3.71	1.64	29-30	T	T	5								26	SW	17	47	6.1	8	8	14	10	0			0	0	7	0
DEC	48.1	32.8	40.5	68	21	6	31	754	5.81	2.64	2	1.6	1.4	30-31								40	SW	2	40	6.8	6	8	17	17	0			0	5	13	0
YEAR	67.0	50.0	58.5	95	JUN. 14	6	DEC. 31	3713	51.73	6.16	MAY 14-15	15.5	8.0	MAR. 6								47	SW	FEB. 15	59	6.0	105	100	160	107	3			21	12	71	0

† DATA CORRECTED AFTER PUBLICATION OF THE MONTHLY ISSUE.

NORMALS, MEANS, AND EXTREMES

Month	Temperature Normal Daily maximum	Temperature Normal Daily minimum	Temperature Normal Monthly	Temperature Extremes Record highest	Temperature Extremes Year	Temperature Extremes Record lowest	Temperature Extremes Year	Normal degree days	Precipitation Normal total	Precipitation Maximum monthly	Precipitation Year	Precipitation Minimum monthly	Precipitation Year	Precipitation Maximum in 24 hrs.	Precipitation Year	Precipitation Snow, Sleet Mean total	Precipitation Snow, Sleet Maximum monthly	Precipitation Snow, Sleet Year	Precipitation Snow, Sleet Maximum in 24 hrs.	Precipitation Snow, Sleet Year	Relative humidity ¢ 6 AM (Standard time used: CENTRAL)	Relative humidity ¢ Noon	Wind Mean hourly speed ¢	Wind Prevailing direction ¢ #	Wind Fastest mile Speed	Wind Fastest mile Direction #	Wind Fastest mile Year	Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days Sunrise to sunset Clear	Mean number of days Sunrise to sunset Partly cloudy	Mean number of days Sunrise to sunset Cloudy	Mean number of days Precipitation .01 inch or more	Mean number of days Snow, Sleet 1.0 inch or more	Mean number of days Thunderstorms %	Mean number of days Heavy fog %	Mean number of days Temperatures Max. 90° and above	Mean number of days Temperatures Max. 32° and below	Mean number of days Temperatures Min. 32° and below	Mean number of days Temperatures Min. 0° and below
(a)	(b)	(b)	(b)	25		25		(b)	(b)	25		25		25		25	25		25		22	22	22	22	25	25		25	25	25	25	25	25	25	22	22	25	25	25	25
J	44.6	30.2	37.4	75	1950	- 5	1963	856	4.46	14.95	1950	0.33	1943	6.09	1949	2.6	11.3	1951	6.3	1951	80	67	9.8	SW	43	SW	1965	47	6.6	8	6	17	10	1	2	1	0	5	20	*
F	48.5	32.9	40.7	76	1962	- 5	1951	680	3.67	8.88	1950	0.55	1947	4.79	1950	2.3	8.9	1960	5.8	1944	79	64	9.8	NE	56	SW	1956	53	6.3	8	6	14	10	1	2	1	0	3	14	*
M	57.0	39.4	48.2	82	1963+	6	1960	539	4.79	12.67	1964	1.12	1966	6.58	1964	2.2	20.3	1960	8.0	1967	78	59	10.6	SW	60	NW	1964	58	6.2	8	8	15	12	1	4	*	0	1	8	0
A	68.9	49.9	59.4	89	1965	30	1944	195	4.07	9.45	1966	0.95	1949	3.79	1944	T	0.2	1962	0.2	1962	77	54	10.2	SW	59	SW	1957	62	6.2	7	9	14	12	0	6	*	0	0	*	0
M	78.5	59.4	69.0	98	1953	39	1966+	47	4.39	11.15	1946	1.97	1948	6.16	1967	0.0	0.0		0.0		82	57	8.2	SW	49	SW	1961	68	6.2	7	10	14	11	0	7	*	3	0	0	0
J	87.5	68.2	77.9	104	1954+	51	1956	0	4.13	10.24	1951	0.76	1952	5.91	1961	0.0	0.0		0.0		83	57	7.4	SW	50	NE	1953	73	5.8	8	11	11	9	0	9	*	12	0	0	0
J	90.3	71.8	81.1	104	1954+	54	1947	0	3.19	8.19	1955	0.84	1945	2.79	1952	0.0	0.0		0.0		84	59	6.5	SW	45	SW	1952	76	5.6	8	13	10	9	0	8	*	17	0	0	0
A	89.2	70.6	79.9	103	1964+	53	1965+	0	3.10	8.13	1952	0.81	1955	7.56	1952	0.0	0.0		0.0		87	59	6.2	NE	44	NW	1954	78	5.0	11	11	9	8	0	6	*	15	0	0	0
S	82.4	62.5	72.5	103	1954	42	1967+	36	3.01	9.39	1965	0.47	1953	6.23	1965	0.0	0.0		0.0		87	57	7.0	NE	35	W	1952	71	4.9	12	8	10	8	0	4	1	4	0	0	0
O	71.9	51.9	61.9	92	1963+	29	1952	164	2.88	6.55	1949	T	1964	2.96	1967	T	T	1949	T	1949	85	53	7.3	S	33	SW	1957	73	4.4	15	7	9	7	0	3	1	*	0	*	0
N	56.3	39.5	47.9	82	1955	5	1950	513	3.87	13.05	1957	0.70	1954	4.33	1957	0.4	5.2	1958	5.2	1958	80	58	9.1	S	47	SW	1952	56	5.8	10	7	13	8	*	2	1	0	*	6	0
D	46.4	32.6	39.5	73	1951	0	1962	791	3.67	7.99	1951	0.66	1955	2.64	1967	1.5	7.5	1950	6.6	1950	79	66	9.3	S	43	S	1957+	48	6.5	8	7	16	9	*	1	1	0	3	17	*
YR	68.5	50.7	59.6	104	JUL. 1954+	- 5	JAN. 1963+	3821	45.23	14.95	JAN. 1950	T	OCT. 1964	7.56	AUG. 1952	9.0	20.3	MAR. 1960	8.0	MAR. 1967	82	59	8.5	SW	60	NW	MAR. 1964	65	5.8	110	103	152	114	3	53	7	51	12	65	*

Means and extremes in the above table are from the existing or comparable location(s). Annual extremes have been exceeded at other locations as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917; fastest mile of wind 62 from North in May 1937.

(a) Length of record, years.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months or years.
T Trace, an amount too small to measure.
Below-zero temperatures are preceded by a minus sign.
# To 8 compass points only.
¢ Through 1964.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Degree day totals are the sums of the negative departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3; partly cloudy days 4-7; and cloudy days 8-10 tenths.

Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data therefore may be incomplete.

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1967

CAIRO, ILLINOIS
POST OFFICE BUILDING

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	39.0	43.8	43.4	58.8	64.0	79.2	80.9	76.2	77.0	65.0	56.6	47.8	61.0
1932	44.1	48.6	42.7	60.3	68.4	78.2	81.5	79.0	70.2	58.2	43.8	37.2	59.4
1933	45.8	37.8	47.6	58.5	70.3	79.6	79.4	76.8	77.1	59.6	48.4	44.5	60.4
1934	40.9	34.5	44.4	59.4	70.9	80.4	83.5	79.0	68.6	63.7	52.6	37.6	59.6
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
1967	40.0	35.1	53.7	63.3	66.4	77.0	76.6	73.8	68.6	61.2	46.1	40.5	58.5
RECORD													
MEAN	36.2	39.1	48.0	58.9	68.1	76.4	79.8	78.2	71.7	60.7	48.0	39.0	58.7
MAX	43.8	47.0	56.4	67.6	76.9	85.1	88.4	86.9	80.8	70.2	56.4	46.2	67.1
MIN	28.6	31.2	39.5	50.2	59.2	67.6	71.2	69.5	62.6	51.2	39.6	31.7	50.2

TOTAL DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0	0	3	266	496	868	804	595	671	222	125	2	4052
1931-32	0	0	15	108	284	530	647	478	692	188	38	0	2980
1932-33	0	0	20	224	638	864	592	761	545	216	26	2	3888
1933-34	0	0	0	192	500	636	746	854	638	203	16	0	3785
1934-35	0	0	35	98	374	846	820	652	322	290	88	6	3531
1935-36	0	2	24	168	537	995	1060	984	379	342	19	0	4510
1936-37	0	0	12	194	620	703	800	772	628	236	38	0	4003
1937-38	0	0	38	268	588	903	858	480	280	182	47	0	3644
1938-39	0	0	27	103	458	790	676	732	426	291	43	0	3546
1939-40	0	0	12	153	550	722	1336	817	572	290	86	0	4538
1940-41	0	0	45	86	534	671	816	830	682	134	25	0	3823
1941-42	0	0	7	97	510	686	957	792	454	170	60	5	3738
1942-43	0	0	74	143	411	853	860	627	656	235	21	0	3880
1943-44	0	0	37	205	569	896	802	622	546	226	58	1	3962
1944-45	0	0	0	165	470	967	971	701	269	141	125	19	3828
1945-46	0	0	16	190	471	983	819	577	196	114	51	5	3422
1946-47	0	2	10	99	394	636	758	916	723	186	61	0	3785
1947-48	0	0	43	48	584	755	1109	762	497	123	24	0	3945
1948-49	0	0	15	207	439	674	742	618	518	218	10	0	3441
1949-50	0	0	53	135	466	663	628	629	614	277	32	0	3497
1950-51	0	0	21	59	664	954	837	685	549	311	30	3	4113
1951-52	0	0	24	155	682	743	710	576	520	226	46	0	3682
1952-53	0	0	4	310	484	738	735	593	382	298	48	0	3592
1953-54	0	0	4	127	478	791	865	495	531	100	103	2	3496
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817	770	833	382	129	63	4	3711
1967-68	0	2	37	177	562	754							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	1.77	3.38	4.20	4.00	2.99	3.13	1.97	7.14	1.19	2.66	5.35	4.15	41.93
1932	7.02	4.43	4.19	3.28	0.50	1.78	2.58	3.79	5.67	3.56	2.65	6.88	46.33
1933	3.78	3.77	6.39	3.68	9.02	0.91	7.49	4.41	7.81	2.75	1.23	2.60	53.84
1934	1.28	2.01	3.86	1.69	1.59	0.92	3.41	2.70	6.02	2.68	8.45	3.30	37.91
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
1967	2.34	2.69	2.16	2.18	10.20	3.48	5.17	4.84	3.61	5.54	3.71	5.81	51.73
RECORD													
MEAN	4.04	3.39	4.26	3.92	4.10	4.06	3.16	3.10	3.02	2.72	3.69	3.47	42.93

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0.0	0.0	0.0	T	T	3.5	7.3	0.0	0.5	0.0	0.0	0.0	11.3
1931-32	0.0	0.0	0.0	0.0	0.0	0.0	0.9	T	2.0	0.0	0.0	0.0	2.9
1932-33	0.0	0.0	0.0	0.0	1.6	2.0	T	3.8	T	0.0	0.0	0.0	7.4
1933-34	0.0	0.0	0.0	0.0	0.0	T	T	1.3	1.4	0.0	0.0	0.0	2.7
1934-35	0.0	0.0	0.0	0.0	0.0	1.5	0.1	T	0.0	0.0	0.0	0.0	1.6
1935-36	0.0	0.0	0.0	0.0	T	4.7	1.4	8.0	T	T	0.0	0.0	14.1
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7	T	5.9	8.0	0.0	0.0	0.0	15.6
1967-68	0.0	0.0	0.0	0.0	T	1.6							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1872.

A horizontal line drawn on the above tables indicates a break in the data sequence due to a change in instrument exposure or a station move (see Station Location table).

STATION LOCATION

CAIRO, ILLINOIS
POST OFFICE BUILDING

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground								Sea level	
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyranometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3		3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof.

Requests for additional information should be directed to the Weather Bureau Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA, 1966

CAIRO, ILLINOIS

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NARRATIVE CLIMATOLOGICAL SUMMARY

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers, which join two miles below the City. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and corn belt, and both crops are grown.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on six out of seven days.

Normal annual precipitation for Cairo is 45.23 inches. This is considerably larger than the values for central and northern Illinois, but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, July through October is the driest period. The wettest single month is March, while the driest is October. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time, and only about 15 days per season have a snow cover of 1 inch or more. The seasonal average snowfall for the entire local record is 10 inches, but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-1960 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year, but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with a 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The City is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter, although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

U.S. DEPARTMENT OF COMMERCE
JOHN T. CONNOR, Secretary
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ROBERT M. WHITE, Administrator
ENVIRONMENTAL DATA SERVICE

LATITUDE 37° 00' N
LONGITUDE 89° 10' W
ELEVATION (ground) 314 Feet

METEOROLOGICAL DATA FOR THE CURRENT YEAR

CAIRO, ILLINOIS
POST OFFICE BUILDING
1966

Month	Temperature								Precipitation						Relative humidity				Wind								Number of days										
	Averages			Extremes				Degree days	Total	Greatest in 24 hrs.	Date	Snow, Sleet							Resultant		Average speed	Fastest mile			Percent of possible sunshine	Average sky cover sunrise to sunset	Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	Temperatures			
																																		Maximum		Minimum	
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date					Total	Greatest in 24 hrs.	Date					Direction	Speed		Speed	Direction #	Date			Clear	Partly cloudy	Cloudy					90 and above	32 and below	32 and below	0 and below
JAN	38.0	24.2	31.1	62	2	0	30	1043	5.03	3.03	31-1	2.6	1.6	22								25	N	29+	49	6.3	10	4	17	9	1			0	13	26	1
FEB	44.1	31.5	37.8	68	9	17	5	753	3.63	2.06	9-10	1.9	1.9	23								31	SE	9	36	7.5	5	5	18	10	1			0	2	18	0
MAR	60.1	41.0	50.6	81	21	23	7	452	1.12	0.76	12-13	T	T	6+								39	SW	21	66	5.5	9	8	14	7	0			0	0	7	0
APR	65.6	48.1	56.9	79	20	35	10+	253	9.45	1.78	26	0.0	0.0									28	NE	26	51	7.8	3	6	21	16	0			0	0	0	0
MAY	75.8	56.4	66.1	88	28+	39	10	79	9.50	3.82	23-24	0.0	0.0									33	NE	9	71	5.1	12	8	11	11	0			0	0	0	0
JUN	87.1	66.2	76.7	98	28	54	1	2	2.94	1.81	13	0.0	0.0									45	S	7	74	4.5	12	12	6	3	0			12	0	0	0
JUL	92.5	73.5	83.0	103	14+	62	22	0	2.62	1.14	6-7	0.0	0.0									26	N	6	70	5.0	11	11	9	10	0			19	0	0	0
AUG	83.9	67.8	75.9	90	18+	59	25	0	3.13	1.00	2	0.0	0.0									20	SW	10	65	5.9	10	9	12	9	0			4	0	0	0
SEP	77.5	60.2	68.9	91	3	47	30	30	4.90	1.51	18-19	0.0	0.0									25	SW	3	47	6.3	9	7	14	10	0			2	0	0	0
OCT	67.2	47.3	57.3	84	9	38	20	249	1.85	0.69	14-15	0.0	0.0									26	SW	15+	71	3.7	17	6	8	8	0			0	0	0	0
NOV	59.1	42.0	50.6	74	8	25	3	434	2.14	0.95	10	T	T	2								32	NW	28	54	6.7	8	5	17	6	0			0	0	4	0
DEC	45.3	31.5	38.4	71	7	18	25+	817	4.97	1.92	8-9	1.7	1.7	23								30	S	8	39	7.2	6	7	18	10	1			0	3	18	0
YEAR	66.4	49.1	57.8	103	JUL. 14+	0	JAN. 30	4112	51.28	3.82	MAY 23-24	6.2	1.9	FEB. 23								45	S	JUN. 7	59	6.0	112	88	165	109	3			37	18	73	1

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal degree days	Precipitation												Relative humidity		Wind					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days										
	Normal			Extremes					Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Sleet					6:00 A.M. CST	Noon CST	Mean hourly speed	Prevailing direction #	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms %	Heavy fog %	Temperatures			
																																					Max.		Min.	
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year									Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year					Speed	Direction #	Year			Clear	Partly cloudy	Cloudy					90° and above	32° and below	32° and below	0° and below
(a)	(b)	(b)	(b)	24		24		(b)	(b)	24		24		24		24	24		24		22	22	22	22	24	24		24	24	24	24	24	24	24	22	22	24	24	24	24
J	44.6	30.2	37.4	75	1950	- 5	1963	856	4.46	14.95	1950	0.33	1943	6.09	1949	2.8	11.3	1951	6.3	1951	80	67	9.8	SW	43	SW	1965	46	6.7	8	6	17	10	1	2	1	0	5	20	*
F	48.5	32.9	40.7	76	1962	- 5	1951	680	3.67	8.88	1950	0.55	1947	4.79	1950	2.2	8.9	1960	5.8	1944	79	64	9.8	NE	56	SW	1956	53	6.3	8	6	14	10	1	2	1	0	2	14	*
M	57.0	39.4	48.2	82	1963+	6	1960	539	4.79	12.67	1964	1.12	1966	6.58	1964	2.0	20.3	1960	7.3	1960	78	59	10.6	SW	60	NW	1964	58	6.2	9	7	15	12	1	4	*	0	1	8	0
A	68.9	49.9	59.4	89	1965	30	1944	195	4.07	9.45	1966	0.95	1949	3.79	1944	T	0.2	1962	0.2	1962	77	54	10.2	SW	59	SW	1957	63	6.3	7	9	14	12	0	6	*	0	0	*	0
M	78.5	59.4	69.0	98	1953	39	1966+	47	4.39	11.15	1946	1.97	1948	5.53	1946	0.0	0.0		0.0		82	57	8.2	SW	49	SW	1961	68	6.2	7	10	14	11	0	7	*	3	0	0	0
J	87.5	68.2	77.9	104	1954+	51	1956	0	4.13	10.24	1951	0.76	1952	5.91	1961	0.0	0.0		0.0		83	57	7.4	SW	50	NE	1953	74	5.8	8	11	11	10	0	9	*	12	0	0	0
J	90.3	71.8	81.1	104	1954+	54	1947	0	3.19	8.19	1955	0.84	1945	2.79	1952	0.0	0.0		0.0		84	59	6.5	SW	45	SW	1952	76	5.6	9	12	10	9	0	8	*	17	0	0	0
A	89.2	70.6	79.9	103	1964+	53	1965+	0	3.10	8.13	1952	0.81	1955	7.56	1952	0.0	0.0		0.0		87	59	6.2	NE	44	NW	1954	79	5.0	11	12	8	8	0	6	*	15	0	0	0
S	82.4	62.5	72.5	103	1954	42	1949	36	3.01	9.39	1965	0.47	1953	6.23	1965	0.0	0.0		0.0		87	57	7.0	NE	35	W	1952	72	4.9	12	8	10	8	0	4	1	5	0	0	0
O	71.9	51.9	61.9	92	1963+	29	1952	164	2.88	6.55	1949	T	1964	2.94	1949	0.0	0.0		0.0		85	53	7.3	S	33	SW	1957	74	4.3	16	6	9	7	0	3	1	*	0	*	0
N	56.3	39.5	47.9	82	1955	5	1950	513	3.87	13.05	1957	0.70	1954	4.33	1957	0.4	5.2	1958	5.2	1958	80	58	9.1	S	47	SW	1952	57	5.7	10	7	13	8	*	2	1	0	*	6	0
D	46.4	32.6	39.5	73	1951	0	1962	791	3.67	7.99	1951	0.66	1955	2.49	1947	1.5	7.5	1950	6.6	1950	79	66	9.3	S	43	S	1957+	48	6.5	9	6	16	9	1	1	1	0	3	17	*
YR	68.5	50.7	59.6	104	JUL. 1954+	- 5	JAN. 1963+	3821	45.23	14.95	JAN. 1950	T	OCT. 1964	7.56	AUG. 1952	8.9	20.3	MAR. 1960	7.3	MAR. 1960	82	59	8.5	SW	60	NW	MAR. 1964	65	5.8	114	100	151	114	3	53	7	52	12	65	*

Means and extremes in the above table are from the existing or comparable location(s). Annual extremes have been exceeded at other locations as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917; fastest mile of wind 62 from North in May 1937.

(a) Length of record, years.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months or years.
T Trace, an amount too small to measure.
Below-zero temperatures are preceded by a minus sign.
The prevailing direction for wind in the Normals, Means, and Extremes table is from records through 1963.

# To 8 compass points only.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Degree day totals are the sums of the negative departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3; partly cloudy days 4-7; and cloudy days 8-10 tenths.

Figures instead of letters in a direction column indicate direction in tens of degrees from true North; i.e., 09 - East, 18 - South, 27 - West, 36 - North, and 00 - Calm. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. If figures appear in the direction column under "Fastest mile" the corresponding speeds are fastest observed 1-minute values.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data therefore may be incomplete.

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CAIRO, ILLINOIS
POST OFFICE BUILDING

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	39.0	43.8	43.4	58.8	64.0	79.2	80.9	76.2	77.0	65.0	56.6	47.8	61.0
1932	44.1	48.6	42.7	60.3	68.4	78.2	81.5	79.0	70.2	58.2	43.8	37.2	59.4
1933	45.8	37.8	47.6	58.5	70.3	79.6	79.4	76.8	77.1	59.6	48.4	44.5	60.4
1934	40.9	34.5	44.4	59.4	70.9	80.4	83.5	79.0	68.6	63.7	52.6	37.6	59.6
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
1966	31.1	37.8	50.6	56.9	66.1	76.7	83.0	75.9	68.9	57.3	50.6	38.4	57.8
RECORD MEAN	36.2	39.1	47.9	58.9	68.1	76.4	79.8	78.3	71.8	60.7	48.1	38.9	58.7
MAX	43.7	47.0	56.4	67.6	76.9	85.1	88.4	87.0	80.8	70.2	56.4	46.1	67.1
MIN	28.6	31.2	39.4	50.2	59.2	67.6	71.2	69.6	62.7	51.2	39.7	31.7	50.2

TOTAL DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0	0	3	266	496	868	804	595	671	222	125	2	4052
1931-32	0	0	15	108	284	530	647	478	692	188	38	0	2980
1932-33	0	0	20	224	638	864	592	761	545	216	26	2	3888
1933-34	0	0	0	192	500	636	746	854	638	203	16	0	3785
1934-35	0	0	35	98	374	846	820	652	322	290	88	6	3531
1935-36	0	2	24	168	537	995	1060	984	379	342	19	0	4510
1936-37	0	0	12	194	620	703	800	772	628	236	38	0	4003
1937-38	0	0	38	268	588	903	858	480	280	182	47	0	3644
1938-39	0	0	27	103	458	790	676	732	426	291	43	0	3546
1939-40	0	0	12	153	550	722	1336	817	572	290	86	0	4538
1940-41	0	0	45	86	534	671	816	830	682	134	25	0	3823
1941-42	0	0	7	97	510	686	957	792	454	170	60	5	3738
1942-43	0	0	74	143	411	853	860	627	656	235	21	0	3880
1943-44	0	0	37	205	569	896	802	622	546	226	58	1	3962
1944-45	0	0	0	165	470	967	971	701	269	141	125	19	3828
1945-46	0	0	16	190	471	983	819	577	196	114	51	5	3422
1946-47	0	2	10	99	394	636	758	916	723	186	61	0	3785
1947-48	0	0	43	48	584	755	1109	762	497	123	24	0	3945
1948-49	0	0	15	207	439	674	742	618	518	218	10	0	3441
1949-50	0	0	53	135	466	663	628	629	614	277	32	0	3497
1950-51	0	0	21	59	664	954	837	685	549	311	30	3	4113
1951-52	0	0	24	155	682	743	710	576	520	226	46	0	3682
1952-53	0	0	4	310	484	738	735	593	382	298	48	0	3592
1953-54	0	0	4	127	478	791	865	495	531	100	103	2	3496
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3757
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608	1043	753	452	253	79	2	3757
1966-67	0	0	30	249	434	817							

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1931	1.77	3.38	4.20	4.00	2.99	3.13	1.97	7.14	1.19	2.66	5.35	4.15	41.93
1932	7.02	4.43	4.19	3.28	0.50	1.78	2.58	3.79	5.67	3.56	2.65	6.88	46.33
1933	3.78	3.77	6.39	3.68	9.02	0.91	7.49	4.41	7.81	2.75	1.23	2.60	53.84
1934	1.28	2.01	3.86	1.69	1.59	0.92	3.41	2.70	6.02	2.68	8.45	3.30	37.91
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
1966	5.03	3.63	1.12	9.45	9.50	2.94	2.62	3.13	4.90	1.85	2.14	4.97	51.28
RECORD MEAN	4.06	3.40	4.28	3.94	4.04	4.07	3.14	3.08	3.01	2.69	3.69	3.44	42.84

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1930-31	0.0	0.0	0.0	T	T	3.5	7.3	0.0	0.5	0.0	0.0	0.0	11.3
1931-32	0.0	0.0	0.0	0.0	0.0	0.0	0.9	T	2.0	0.0	0.0	0.0	2.9
1932-33	0.0	0.0	0.0	0.0	1.6	2.0	T	3.8	T	0.0	0.0	0.0	7.4
1933-34	0.0	0.0	0.0	0.0	0.0	T	T	1.3	1.4	0.0	0.0	0.0	2.7
1934-35	0.0	0.0	0.0	0.0	0.0	1.5	0.1	T	0.0	0.0	0.0	0.0	1.6
1935-36	0.0	0.0	0.0	0.0	T	4.7	1.4	8.0	T	T	0.0	0.0	14.1
1936-37	0.0	0.0	0.0	0.0	4.3	T	T	3.6	T	0.0	0.0	0.0	7.9
1937-38	0.0	0.0	0.0	0.0	1.3	0.5	1.1	0.1	0.0	T	0.0	0.0	3.0
1938-39	0.0	0.0	0.0	0.0	0.4	T	2.1	12.0	T	0.0	0.0	0.0	14.5
1939-40	0.0	0.0	0.0	T	0.0	1.9	7.8	4.3	2.6	T	0.0	0.0	16.6
1940-41	0.0	0.0	0.0	0.0	0.0	0.2	T	2.4	1.3	0.0	0.0	0.0	3.9
1941-42	0.0	0.0	0.0	0.0	T	T	5.4	1.3	0.2	0.0	0.0	0.0	6.9
1942-43	0.0	0.0	0.0	0.0	0.0	2.4	1.9	0.8	4.5	0.0	0.0	0.0	9.6
1943-44	0.0	0.0	0.0	0.0	T	0.5	1.8	5.9	0.1	0.0	0.0	0.0	8.3
1944-45	0.0	0.0	0.0	0.0	0.0	0.6	3.7	0.1	0.0	0.0	0.0	0.0	4.4
1945-46	0.0	0.0	0.0	0.0	T	4.5	0.2	1.4	0.0	0.0	0.0	0.0	6.1
1946-47	0.0	0.0	0.0	0.0	0.0	1.6	T	6.2	3.8	T	0.0	0.0	11.6
1947-48	0.0	0.0	0.0	0.0	T	0.8	5.0	4.4	0.5	0.0	0.0	0.0	10.7
1948-49	0.0	0.0	0.0	0.0	0.2	T	1.9	0.0	4.0	0.0	0.0	0.0	6.1
1949-50	0.0	0.0	0.0	T	T	T	4.2	T	T	T	0.0	0.0	4.2
1950-51	0.0	0.0	0.0	0.0	2.6	7.5	11.3	0.2	1.9	T	0.0	0.0	23.5
1951-52	0.0	0.0	0.0	0.0	1.0	1.3	T	4.8	T	T	0.0	0.0	7.1
1952-53	0.0	0.0	0.0	0.0	0.6	0.4	T	T	0.1	T	0.0	0.0	1.1
1953-54	0.0	0.0	0.0	0.0	0.0	T	4.0	T	T	0.0	0.0	0.0	4.0
1954-55	0.0	0.0	0.0	0.0	T	T	3.6	0.5	0.1	0.0	0.0	0.0	4.2
1955-56	0.0	0.0	0.0	0.0	0.0	0.9	6.1	0.9	T	0.0	0.0	0.0	7.9
1956-57	0.0	0.0	0.0	0.0	0.1	T	T	0.0	T	T	0.0	0.0	0.1
1957-58	0.0	0.0	0.0	0.0	T	T	1.0	1.5	8.6	0.0	0.0	0.0	11.1
1958-59	0.0	0.0	0.0	0.0	5.2	T	0.5	1.0	T	0.0	0.0	0.0	6.7
1959-60	0.0	0.0	0.0	0.0	0.4	T	3.0	8.9	20.3	0.0	0.0	0.0	32.6
1960-61	0.0	0.0	0.0	0.0	0.0	6.4	3.2	3.1	T	T	0.0	0.0	12.7
1961-62	0.0	0.0	0.0	0.0	0.0	1.2	2.7	0.6	0.1	0.2	0.0	0.0	4.8
1962-63	0.0	0.0	0.0	0.0	0.0	2.2	3.5	2.4	T	0.0	0.0	0.0	8.1
1963-64	0.0	0.0	0.0	0.0	T	6.0	3.7	0.2	T	0.0	0.0	0.0	9.9
1964-65	0.0	0.0	0.0	0.0	T	T	2.2	7.7	3.7	0.0	0.0	0.0	13.6
1965-66	0.0	0.0	0.0	0.0	0.0	0.0	2.6	1.9	T	0.0	0.0	0.0	4.5
1966-67	0.0	0.0	0.0	0.0	T	1.7							

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1872.

A horizontal line drawn on the above tables indicates a break in the data sequence due to a change in instrument exposure or a station move (see Station Location table).

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyrheliometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3		3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof.

Requests for additional information should be directed to the Weather Bureau Office for which this summary was issued.

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LOCAL CLIMATOLOGICAL DATA

WITH COMPARATIVE DATA

1965

CAIRO, ILLINOIS

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AT URBANA-CHAMPAIGN

NARRATIVE CLIMATOLOGICAL SUMMARY

Cairo is located at the extreme southern tip of Illinois and on a narrow strip of land between the Ohio and Mississippi Rivers which join two miles below the city. Cairo has a temperate climate more characteristic of Kentucky or southern Missouri than of Illinois. This area lies in the fringes of both the cotton belt and the corn belt and both crops are grown.

Because of a slight modifying influence by the two rivers, the absolute temperature range (from -16° to 106° for the entire local record) is smaller at Cairo than in nearby areas. Temperatures of 100° or higher and zero or lower each occur with a frequency of about once in five years.

The average growing season between the last freeze in spring to first freeze in the fall is 222 days.

The warmest week of the entire record began on September 3, 1925, when daily maximum temperatures were above 100° on each of seven days. The coldest seven days on record began on February 7, 1899, when temperatures of zero or lower occurred on 6 out of 7 days.

Normal annual precipitation for Cairo is 45.12 inches. This is considerably larger than the values for central and northern Illinois but most of the excess falls during the winter and spring months. Although summer rainfall is approximately the same here as in areas farther north, summer is the driest season of the year at Cairo. The wettest single months are March and January and the driest month is July. The abundance of winter and early spring rainfall emphasizes the importance of winter cover crops to reduce soil erosion during the season of heavy precipitation runoff.

The average winter has only occasional light snows. The ground remains bare most of the time and only about 15 days per season have a snow cover of one inch or more. The seasonal average snowfall for the entire local record is 10 inches but half of the winters have less than 7.3 inches and one-third of the winters have less than 5 inches of snow. The extreme winter of 1917-18 had a total snowfall of 48 inches. A single 2-day storm during that winter produced 17 inches of snow. The winter of 1959-1960 produced 32.6 inches of snow. The average annual depth of freeze penetration in the soil is about 5 inches. During much of the average winter the ground remains unfrozen.

Cairo has a long period average of 53 thunderstorm days per year but the number of damaging wind and hail storms is not large. A notable storm with very heavy damage occurred on May 29, 1945, when there was heavy hail with a 40 m.p.h. wind.

Cairo's unique position at the junction of two major river systems causes a flood season that may last as long as six months. Sometimes one river is flooding while the other river is relatively low. The Cairo river gage has the property of reflecting the stage of that river which is relatively higher. The Cairo river stage is affected by such diverse influences as winter rains in Alabama, spring rains, and snowmelt over Pennsylvania, and the late spring snowmelt on the upper Missouri River. In spite of the many floods that have occurred, the city of Cairo has never been inundated. The city is surrounded by levees which have been strengthened after every serious flood threat.

The rivers at Cairo remain open through the average winter although much floating ice moves down on the Mississippi side. The Ohio River at Cairo is usually ice-free because of the warm water from the Tennessee River which enters above Cairo. Only once has the Ohio River frozen solidly and this was during January of 1918 when the temperature dropped to -16° and the river stage was very low.

LATITUDE 37° 00' N
LONGITUDE 89° 10' W
ELEVATION (ground) 314 Feet

METEOROLOGICAL DATA FOR THE CURRENT YEAR

CAIRO, ILLINOIS
POST OFFICE BUILDING
1965

Month	Temperature							Degree days	Precipitation						Relative humidity				Wind					Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days										
	Averages			Extremes								Snow, Sleet									Fastest mile					Sunrise to sunset							Temperatures Maximum		Minimum	
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date		Total	Greatest in 24 hrs.	Date	Total	Greatest in 24 hrs.	Date					Average hourly speed	Prevailing direction	Speed	Direction #	Date			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	90° and above	32° and below	32° and below	0° and below
JAN	46.7	29.5	38.1	67	8+	3	31	826	3.03	1.48	8-9	2.2	1.1	9							43	SW	25	55	6.4	6	12	13	10	1			0	5	19	0
FEB	48.5	30.0	39.3	73	9	6	2	713	5.18	2.78	9	7.7	5.2	24							31	N	21	67	4.7	13	6	9	7	2			0	3	17	0
MAR	47.7	31.9	39.8	70	17+	17	19	773	4.79	1.95	28-29	3.7	2.1	3-4							42	SW	17	44	7.0	6	9	16	14	2			0	3	16	0
APR	71.2	53.1	62.2	89	23	42	3+	147	4.80	1.60	3	0.0	0.0								35	SW	11	59	5.8	10	6	14	9	0			0	0	0	0
MAY	82.6	64.1	73.4	89	31+	51	29	4	4.32	1.20	9-10	0.0	0.0								35	SW	9	69	6.2	9	5	17	12	0			0	0	0	0
JUN	85.7	67.8	76.8	93	29	61	19+	0	4.37	1.12	6-7	0.0	0.0								32	N	8	74	5.8	7	13	10	10	0			8	0	0	0
JUL	88.6	71.3	80.0	101	24	61	30	0	4.33	2.00	2-3	0.0	0.0								26	NE	2	76	5.8	6	15	10	7	0			10	0	0	0
AUG	88.5	68.5	78.5	99	18	53	29	0	4.43	2.81	31-1	0.0	0.0								20	S	31	82	4.7	13	10	8	7	0			12	0	0	0
SEP	80.1	63.9	72.0	89	18+	45	25	25	9.39	6.23	10-11	0.0	0.0								29	W	15	62	5.4	11	9	10	11	0			0	0	0	0
OCT	69.8	49.3	59.6	84	17	38	29+	195	0.92	0.79	6-7	0.0	0.0								28	SW	7	77	3.5	20	4	7	5	0			0	0	0	0
NOV	61.6	44.9	53.3	77	16	23	30	347	1.67	1.10	20-21	0.0	0.0								30	SW	15	48	6.6	8	6	16	7	0			0	0	2	0
DEC	52.9	37.4	45.2	68	5	25	1	608	2.00	0.48	11-12	0.0	0.0								35	SW	24	52	6.1	10	6	15	7	0			0	0	9	0
YEAR	68.7	51.0	59.9	101	JUL. 24	3	JAN. 31	3638	49.23	6.23	SEP. 10-11	13.6	5.2	FEB. 24							43	SW	JAN. 25	65	5.7	119	101	145	106	5			30	11	63	0

NORMALS, MEANS, AND EXTREMES

Month	Temperature							Normal degree days	Precipitation												Relative humidity				Wind					Pct. of possible sunshine	Mean sky cover sunrise to sunset	Mean number of days										
	Normal			Extremes												Snow, Sleet											Fastest mile					Sunrise to sunset					%	%	Temperatures Max.		Min.	
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year		Normal total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year		6:00 A.M. CST	Noon CST		Mean hourly speed	Prevailing direction #	Speed	Direction #	Year			Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Sleet 1.0 inch or more	Thunderstorms	Heavy fog	90° and above	32° and below	32° and below	0° and below
(a)	(b)	(b)	(b)	23		23		(b)	(b)	23		23		23		23	23		23			22	22		22	22	23	23		23	23	23	23	23	23	23	22	22	23	23	23	23
J	44.6	30.2	37.4	75	1950	- 5	1963	856	4.46	14.95	1950	0.33	1943	6.09	1949	2.8	11.3	1951	6.3	1951		80	67		9.8	SW	43	SW	1965	46	6.7	7	7	17	10	1	2	1	0	5	20	*
F	48.5	32.9	40.7	76	1962	- 5	1951	680	3.67	8.88	1950	0.55	1947	4.79	1950	2.2	8.9	1960	5.8	1944		79	64		9.8	NE	56	SW	1956	54	6.3	8	6	14	10	1	2	1	0	2	14	*
M	57.0	39.4	48.2	82	1963+	6	1960	539	4.79	12.67	1964	1.74	1946	6.58	1964	2.1	20.3	1960	7.3	1960		78	59		10.6	SW	60	NW	1964	57	6.3	8	8	15	12	1	4	*	0	1	8	0
A	68.9	49.9	59.4	89	1965	30	1944	195	4.07	8.27	1945	0.95	1949	3.79	1944	T	0.2	1962	0.2	1962		77	54		10.2	SW	59	SW	1957	63	6.2	7	9	14	11	0	6	*	0	0	*	0
M	78.5	59.4	69.0	98	1953	39	1944	47	4.39	11.15	1946	1.97	1948	5.53	1946	0.0	0.0		0.0			82	57		8.2	SW	49	SW	1961	68	6.3	7	10	14	11	0	7	*	3	0	0	0
J	87.5	68.2	77.9	104	1954+	51	1956	0	4.13	10.24	1951	0.76	1952	5.91	1961	0.0	0.0		0.0			83	57		7.4	SW	50	NE	1953	74	5.8	8	11	11	10	0	9	*	12	0	0	0
J	90.3	71.8	81.1	104	1954+	54	1947	0	3.19	8.19	1955	0.84	1945	2.79	1952	0.0	0.0		0.0			84	59		6.5	SW	45	SW	1952	77	5.6	8	13	10	9	0	8	*	17	0	0	0
A	89.2	70.6	79.9	103	1964+	53	1965+	0	3.10	8.13	1952	0.81	1955	7.56	1952	0.0	0.0		0.0			87	59		6.2	NE	44	NW	1954	79	5.0	11	12	8	8	0	6	*	16	0	0	0
S	82.4	62.5	72.5	103	1954	42	1949	36	3.01	9.39	1965	0.47	1953	6.23	1965	0.0	0.0		0.0			87	57		7.0	NE	35	W	1952	73	4.9	12	9	9	8	0	4	1	5	0	0	0
O	71.9	51.9	61.9	92	1963+	29	1952	164	2.88	6.55	1949	T	1964	2.94	1949	0.0	0.0		0.0			85	53		7.3	S	33	SW	1957	74	4.4	15	7	9	7	0	3	1	*	0	*	0
N	56.3	39.5	47.9	82	1955	5	1950	513	3.87	13.05	1957	0.70	1954	4.33	1957	0.4	5.2	1958	5.2	1958		80	58		9.1	S	47	SW	1952	57	5.7	10	7	13	9	*	2	1	0	*	7	0
D	46.4	32.6	39.5	73	1951	0	1962	791	3.67	7.99	1951	0.66	1955	2.49	1947	1.5	7.5	1950	6.6	1950		79	66		9.3	S	43	S	1957+	48	6.4	9	6	16	9	*	1	1	0	3	17	*
YR	68.5	50.7	59.6	104	JUL. 1954+	- 5	JAN. 1963+	3821	45.23	14.95	JAN. 1950	T	OCT. 1964	7.56	AUG. 1952	9.0	20.3	MAR. 1960	7.3	MAR. 1960		82	59		8.5	SW	60	NW	MAR. 1964	66	5.8	110	105	150	114	3	53	7	53	12	65	*

Means and extremes in the above table are from the existing or comparable location(s). Annual extremes have been exceeded at other locations as follows: Highest temperature 106 in August 1930 and earlier; lowest temperature -16 in January 1918 and earlier; maximum monthly precipitation 15.70 in June 1928; maximum monthly snowfall 24.2 in January 1918; maximum snowfall in 24 hours 17.0 in December 1917; fastest mile of wind 62 from North in May 1937.

(a) Length of record, years.
(b) Climatological standard normals (1931-1960).
* Less than one half.
+ Also on earlier dates, months or years.
T Trace, an amount too small to measure.
Below-zero temperatures are preceded by a minus sign.

# To 8 compass points only.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation, including snowfall, in inches; wind movement in miles per hour; and relative humidity in percent. Monthly heating degree day totals are the sums of the negative departures of average daily temperatures from 65° F. Sleet was included in snowfall totals beginning with July 1948. Heavy fog reduces visibility to 1/4 mile or less.

Sky cover is expressed in a range of 0 for no clouds or obscuring phenomena to 10 for complete sky cover. The number of clear days is based on average cloudiness 0-3; partly cloudy days 4-7; and cloudy days 8-10 tenths.

% Through 1964. The station did not operate 24 hours daily. Fog and thunderstorm data therefore may be incomplete.

551.5
Un3ca
1965

CAIRO, ILLINOIS
POST OFFICE BUILDING

AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An'l.
1930	30.6	48.0	46.8	62.2	68.4	76.1	83.2	79.4	74.0	58.6	48.6	37.0	59.4
1931	39.0	43.8	43.4	58.8	64.0	79.2	80.9	76.2	77.0	65.0	56.6	47.8	61.0
1932	44.1	48.6	42.7	60.3	68.4	78.2	81.5	79.0	70.2	58.2	43.8	37.2	59.4
1933	45.8	37.8	47.6	58.5	70.3	79.6	79.4	76.8	77.1	59.6	48.4	44.5	60.4
1934	40.9	34.5	44.4	59.4	70.9	80.4	83.5	79.0	68.6	63.7	52.6	37.6	59.6
1935	38.6	41.8	55.2	56.4	65.2	72.6	81.2	79.6	71.4	61.6	47.1	33.0	58.6
1936	30.8	31.0	52.8	55.0	71.6	78.2	82.6	83.4	75.6	60.0	44.6	42.3	59.0
1937	39.2	37.4	44.8	58.4	69.4	77.4	79.2	82.0	70.2	57.8	45.5	35.9	58.1
1938	37.3	47.8	56.4	61.0	68.8	74.2	80.5	81.2	73.2	64.6	50.2	39.5	61.2
1939	43.2	38.8	51.7	55.8	69.0	76.4	80.4	77.8	77.4	63.3	46.6	41.7	60.2
1940	22.0	36.8	46.6	56.6	64.8	75.4	77.6	78.4	70.9	64.8	47.2	43.4	57.0
1941	38.6	35.4	43.0	62.8	71.0	77.6	81.6	80.6	75.2	66.0	48.0	42.8	60.2
1942	34.2	36.7	50.3	61.3	67.4	77.4	82.5	77.4	71.2	61.6	51.8	37.4	59.1
1943	37.2	42.6	43.8	58.3	69.4	79.8	82.4	81.8	68.6	59.3	46.0	36.1	58.8
1944	39.2	43.7	47.5	57.9	72.2	80.2	80.2	79.2	72.4	61.6	49.6	33.6	59.8
1945	33.7	40.0	57.4	61.4	64.0	74.1	79.0	78.5	72.8	59.3	49.6	33.4	58.6
1946	38.6	44.4	59.1	63.5	65.7	78.0	80.3	75.3	71.8	63.8	52.3	44.6	61.4
1947	40.6	32.2	41.6	59.8	67.1	76.6	77.5	84.8	73.2	67.8	45.6	40.6	59.0
1948	29.2	38.7	49.6	64.0	68.4	77.8	80.8	79.4	72.1	58.4	50.4	43.2	59.4
1949	41.0	42.9	48.4	58.4	71.1	78.0	82.3	79.1	67.4	63.2	49.5	43.5	60.4
1950	44.8	42.3	45.1	56.2	70.4	77.3	77.0	74.6	69.2	66.2	42.9	34.0	58.4
1951	37.9	40.5	47.2	55.9	69.7	76.1	80.7	80.6	69.8	62.2	42.1	40.9	58.6
1952	41.9	44.8	48.0	58.7	69.4	85.2	82.8	79.6	71.0	55.3	48.9	41.0	60.6
1953	41.1	43.6	52.5	55.9	70.2	83.2	82.6	80.5	74.5	63.6	48.9	39.3	61.3
1954	36.8	47.3	47.6	65.3	64.9	80.4	84.9	82.9	76.4	61.5	49.3	40.0	61.4
1955	37.7	40.5	49.3	65.1	71.0	72.7	83.1	81.5	76.2	60.5	46.7	37.2	60.1
1956	34.4	34.6	49.5	58.4	70.9	77.1	81.6	81.1	71.5	66.0	48.1	45.3	59.9
1957	33.0	45.0	48.3	63.0	69.6	77.6	80.1	78.9	71.3	57.9	48.0	44.6	59.8
1958	34.6	30.8	42.8	59.0	69.4	75.5	80.6	79.4	72.2	61.2	51.0	34.4	57.6
1959	34.2	40.0	49.1	59.9	72.4	76.9	79.1	80.8	73.8	60.8	42.9	42.6	59.4
1960	38.3	36.3	35.4	62.3	66.7	76.5	79.2	80.6	75.5	62.0	48.7	34.2	58.0
1961	33.0	42.9	51.4	54.7	64.4	75.3	79.3	77.5	73.5	61.5	47.9	38.6	58.3
1962	33.0	42.3	44.4	57.4	77.1	76.7	80.9	78.6	69.5	63.8	47.9	35.4	58.9
1963	28.2	32.9	53.9	62.3	69.0	78.7	80.2	78.5	72.0	69.0	51.3	29.6	58.8
1964	38.6	38.6	48.4	63.1	71.6	79.6	81.0	78.8	72.0	58.3	51.5	39.8	60.1
1965	38.1	39.3	39.8	62.2	73.4	76.8	80.0	78.5	72.0	59.6	53.3	45.2	59.9
RECORD MEAN													
TEMP	36.2	39.1	47.9	58.9	68.1	76.4	79.8	78.3	71.8	60.8	48.0	38.9	58.7
MAX	43.8	47.0	56.3	67.6	76.9	85.1	88.4	87.0	80.8	70.3	56.4	46.1	67.1
MIN	28.6	31.2	39.4	50.2	59.3	67.6	71.2	69.6	62.7	51.2	39.6	31.7	50.2

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1930	9.44	2.53	2.54	0.79	2.49	1.59	0.04	0.76	2.65	1.05	1.83	1.97	27.68
1931	1.77	3.38	4.20	4.00	2.99	3.13	1.97	7.14	1.19	2.66	5.35	4.15	41.93
1932	7.02	4.43	4.19	3.28	0.50	1.78	2.58	3.79	5.67	3.56	2.65	6.88	46.33
1933	3.78	3.77	6.39	3.68	9.02	0.91	7.49	4.41	7.81	2.75	1.23	2.60	53.84
1934	1.28	2.01	3.86	1.69	1.59	0.92	3.41	2.70	6.02	2.68	8.45	3.30	37.91
1935	4.74	1.34	12.00	3.69	4.83	7.51	1.86	5.99	1.23	5.00	1.70	1.99	51.88
1936	0.95	2.01	4.04	3.79	1.72	2.18	2.64	0.12	3.57	3.81	2.78	4.06	31.67
1937	15.45	1.57	1.36	4.39	4.92	3.06	1.53	0.42	3.18	4.47	1.99	3.04	45.38
1938	4.27	2.88	12.40	1.27	2.71	3.32	7.47	1.56	0.99	1.16	3.25	1.35	42.63
1939	4.15	7.70	4.78	4.95	3.62	2.56	1.36	1.22	1.20	1.47	2.22	1.75	36.98
1940	2.64	3.51	3.25	7.92	1.92	3.17	1.39	0.77	1.75	0.73	4.09	2.92	34.06
1941	2.33	0.71	0.58	2.06	1.77	1.18	2.54	4.06	1.58	7.66	1.42	3.90	29.79
1942	3.12	4.52	3.07	4.19	3.21	3.51	0.62	5.05	0.96	1.96	5.23	2.18	37.62
1943	0.33	1.11	5.06	3.24	6.11	2.69	2.08	1.48	4.26	1.61	1.17	2.56	31.70
1944	0.74	4.63	5.12	6.50	3.79	2.04	1.11	4.40	1.86	0.63	2.60	4.89	38.31
1945	2.13	5.92	9.22	8.27	6.94	10.17	0.84	3.28	6.30	1.97	5.12	1.82	61.98
1946	4.80	5.73	1.74	4.61	11.15	3.01	2.68	5.25	1.27	2.69	6.01	3.54	52.48
1947	2.80	0.55	2.44	6.30	5.71	4.37	1.06	0.87	2.40	4.80	3.77	4.15	39.22
1948	1.55	3.25	6.62	2.19	1.97	5.16	3.77	0.85	4.70	1.59	8.25	5.03	44.93
1949	13.16	6.01	7.00	0.95	3.64	5.55	4.41	3.21	1.64	6.55	0.79	5.54	58.45
1950	14.95	8.88	4.98	4.40	6.84	4.04	5.43	6.81	3.29	2.06	6.13	2.59	70.40
1951	6.81	6.24	2.90	3.99	2.40	10.24	2.22	2.05	4.52	1.94	8.02	7.99	59.32
1952	5.36	4.69	7.25	3.06	3.08	0.76	5.47	8.13	4.90	1.25	1.98	3.37	49.30
1953	4.54	2.27	7.77	3.51	3.31	2.21	1.83	1.54	0.47	2.59	1.38	2.41	33.83
1954	4.87	2.47	2.14	3.28	4.67	3.87	3.26	4.52	3.56	4.00	0.70	6.30	43.64
1955	0.61	3.09	5.76	4.60	5.49	4.72	8.19	0.81	1.40	2.80	2.32	0.66	40.45
1956	2.53	6.78	2.29	4.09	4.95	5.61	2.36	1.77	1.66	1.34	3.80	3.04	40.22
1957	5.49	3.49	2.21	7.81	10.54	9.13	5.28	2.62	1.57	4.90	13.05	6.89	72.98
1958	3.09	1.38	6.91	4.40	2.53	6.41	5.16	3.69	2.94	1.73	4.02	1.07	43.33
1959	5.61	3.94	1.98	2.94	6.42	2.69	4.31	2.44	4.68	3.19	2.66	4.14	45.00
1960	2.95	1.96	2.29	3.10	3.23	8.07	1.34	2.09	3.81	2.72	3.97	5.87	41.40
1961	1.51	6.00	7.56	4.61	8.86	7.28	5.26	4.69	1.58	1.27	7.81	4.20	60.63
1962	5.74	7.38	4.86	3.97	4.40	3.63	2.68	5.28	6.54	4.36	1.45	2.64	52.93
1963	0.79	1.44	5.10	2.57	3.39	2.30	4.16	4.84	1.58	0.36	1.89	1.39	29.81
1964	1.38	2.41	12.67	3.86	3.46	0.98	2.87	3.17	5.40	T	3.48	4.15	43.83
1965	3.03	5.18	4.79	4.80	4.32	4.37	4.33	4.43	9.39	0.92	1.67	2.00	49.23
RECORD MEAN	4.05	3.40	4.32	3.88	3.98	4.08	3.15	3.08	2.99	2.70	3.71	3.42	42.76

Record mean values above (not adjusted for instrument location changes listed in the Station Location table) are means for the period beginning in 1872.

TOTAL HEATING DEGREE DAYS

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1929-30	0	0	27	176	610	764	1068	478	565	162	27	2	3879
1930-31	0	0	3	266	496	868	804	595	671	222	125	2	4052
1931-32	0	0	15	108	284	530	647	478	692	188	38	0	2980
1932-33	0	0	20	224	638	864	592	761	545	216	26	2	3888
1933-34	0	0	0	192	500	636	746	854	638	203	16	0	3785
1934-35	0	0	35	98	374	846	820	652	322	290	88	6	3531
1935-36	0	2	24	168	537	995	1060	984	379	342	19	0	4510
1936-37	0	0	12	194	620	703	800	772	628	236	38	0	4003
1937-38	0	0	38	268	588	903	858	480	280	182	47	0	3644
1938-39	0	0	27	103	458	790	676	732	426	291	43	0	3546
1939-40	0	0	12	153	550	722	1336	817	572	290	86	0	4538
1940-41	0	0	45	86	534	671	816	830	682	134	25	0	3823
1941-42	0	0	7	97	510	686	957	792	454	170	60	5	3738
1942-43	0	0	74	143	411	853	860	627	656	235	21	0	3880
1943-44	0	0	37	205	569	896	802	622	546	226	58	1	3962
1944-45	0	0	0	165	470	967	971	701	269	141	125	19	3828
1945-46	0	0	16	190	471	983	819	577	196	114	51	5	3422
1946-47	0	2	10	99	394	636	758	916	723	186	61	0	3785
1947-48	0	0	43	48	584	755	1109	762	497	123	24	0	3945
1948-49	0	0	15	207	439	674	742	618	518	218	10	0	3441
1949-50	0	0	53	135	466	663	628	629	614	277	32	0	3497
1950-51	0	0	21	59	664	954	837	685	549	311	30	3	4113
1951-52	0	0	24	155	682	743	710	576	520	226	46	0	3682
1952-53	0	0	4	310	484	738	735	593	382	298	48	0	3592
1953-54	0	0	4	127	478	791	865	495	531	100	103	2	3496
1954-55	0	0	3	210	466	768	838	681	492	73	2	9	3542
1955-56	0	0	0	186	564	857	942	614	479	236	35	6	3919
1956-57	0	0	5	50	507	608	985	553	511	169	37	2	3427
1957-58	0	0	7	226	501	628	934	952	682	190	48	0	4168
1958-59	0	0	18	156	428	941	945	695	487	190	26	0	3886
1959-60	0	0	2	196	660	684	820	826	911	148	97	0	4344
1960-61	0	0	0	143	483	946	986	612	417	337	81	3	4008
1961-62	0	0	16	156	514	810	985	626	630	266	4	0	4007
1962-63	0	0	30	132	510	910	1134	895	355	149	48	0	4163
1963-64	0	0	11	35	407	1090	809	757	506	122	20	0	3557
1964-65	0	1	20	208	407	777	826	713	773	147	4	0	3876
1965-66	0	0	25	195	347	608							

TOTAL SNOWFALL

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1929-30	0	0	0	0	T	6.6	5.5	T	0.3	0	0	0	12.4
1930-31	0	0	0	T	T	3.5	7.3	0	0.5	0	0	0	11.3
1931-32	0	0	0	0	0	0	0.9	T	2.0	0	0	0	2.9
1932-33	0	0	0	0	1.6	2.0	T	3.8	T	0	0	0	7.4
1933-34	0	0	0	0	0	T	T	1.3	1.4	0	0	0	2.7
1934-35	0	0	0	0	0	1.5	0.1	T	0	0	0	0	1.6
1935-36	0	0	0	0	T	4.7	1.4	8.0	T	T	0	0	14.1
1936-37	0	0	0	0	4.3	T	T	3.6	T	0	0	0	7.9
1937-38	0	0	0	0	1.3	0.5	1.1	0.1	0	T	0	0	3.0
1938-39	0	0	0	0	0.4	T	2.1	12.0	T	0	0	0	14.5
1939-40	0	0	0	T	0	1.9	7.8	4.3	2.6	T	0	0	16.6
1940-41	0	0	0	0	0	0.2	T	2.4	1.3	0	0	0	3.9
1941-42	0	0	0	0	T	T	5.4	1.3	0.2	0	0	0	6.9
1942-43	0	0	0	0	0	2.4	1.9	0.8	4.5	0	0	0	9.6
1943-44	0	0	0	0	T	0.5	1.8	5.9	0.1	0	0	0	8.3
1944-45	0	0	0	0	0	0.6	3.7	0.1	0	0	0	0	4.4
1945-46	0	0	0	0	T	4.5	0.2	1.4	0	0	0	0	6.1
1946-47	0	0	0	0	0	1.6	T	6.2	3.8	T	0	0	11.6
1947-48	0	0	0	0	T	0.8	5.0	4.4	0.5	0	0	0	10.7
1948-49	0	0	0	0	0.2	T	1.9	0	4.0	0	0	0	6.1
1949-50	0	0	0	T	T	T	4.2	T	T	T	0	0	4.2
1950-51	0	0	0	0	2.6	7.5	11.3	0.2	1.9	T	0	0	23.5
1951-52	0	0	0	0	1.0	1.3	T	4.8	T	T	0	0	7.1
1952-53	0	0	0	0	0.6	0.4	T	T	0.1	T	0	0	1.1
1953-54	0	0	0	0	0	T	4.0	T	T	0	0	0	4.0
1954-55	0	0	0	0	T	T	3.6	0.5	0.1	0	0	0	4.2
1955-56	0	0	0	0	0	0.9	6.1	0.9	T	0	0	0	7.9
1956-57	0	0	0	0	0.1	T	T	0	T	T	0	0	0.1
1957-58	0	0	0	0	T	T	1.0	1.5	8.6	0	0	0	11.1
1958-59	0	0	0	0	5.2	T	0.5	1.0	T	0	0	0	6.7
1959-60	0	0	0	0	0.4	T	3.0	8.9	20.3	0	0	0	32.6
1960-61	0	0	0	0	0	6.4	3.2	3.1	T	T	0	0	12.7
1961-62	0	0	0	0	0	1.2	2.7	0.6	0.1	0.2	0	0	4.8
1962-63	0	0	0	0	0	2.2	3.5	2.4	T	0	0	0	8.1
1963-64	0	0	0	0	T	6.0	3.7	0.2	T	0	0	0	9.9
1964-65	0	0	0	0	T	T	2.2	7.7	3.7	0	0	0	13.6
1965-66	0	0	0	0	0	0							

A horizontal line drawn on the above tables indicates a break in the data sequence due to a change in instrument exposure or a station move (see Station Location table).

Requests for additional information should be directed to the Weather Bureau Office for which this summary was issued.

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above										Remarks
						Sea level	Ground									
						Ground at temperature site	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Pyrheliometer	
701 Commercial Avenue	6- 1-71	8-19-71		37° 00'	89° 10'	314	50	27					50			
607-609 Ohio Street	8-20-71	6-30-77	325 ft.ENE	37° 00.1'	89° 09.9'	314	67	62					58			
U. S. Custom House (third floor)	7- 1-77	6-30-22	2200ft.WNW	37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Custom House (second floor)	7- 1-22	5-31-42		37° 00.2'	89° 10.3'	314	93	87	87		80		79			
U. S. Post Office and Court House	6- 1-42	Present	300 ft.NW	37° 00.2'	89° 10.3'	314	99	5	5		3		3			New wind vane and F005 transmitter installed 11-9-57. Rotor 99 feet above ground, 19 feet above roof. Wind vane 102 feet above ground and 22 feet above roof.

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